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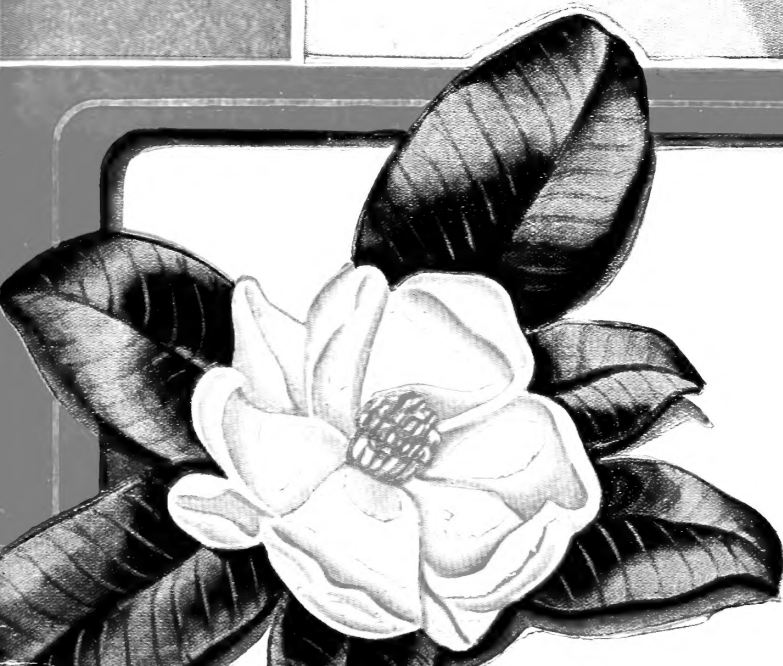
MAGNOLIA SEEDS ARE *Good* SEEDS

*Magnolia  
Seed Co.*

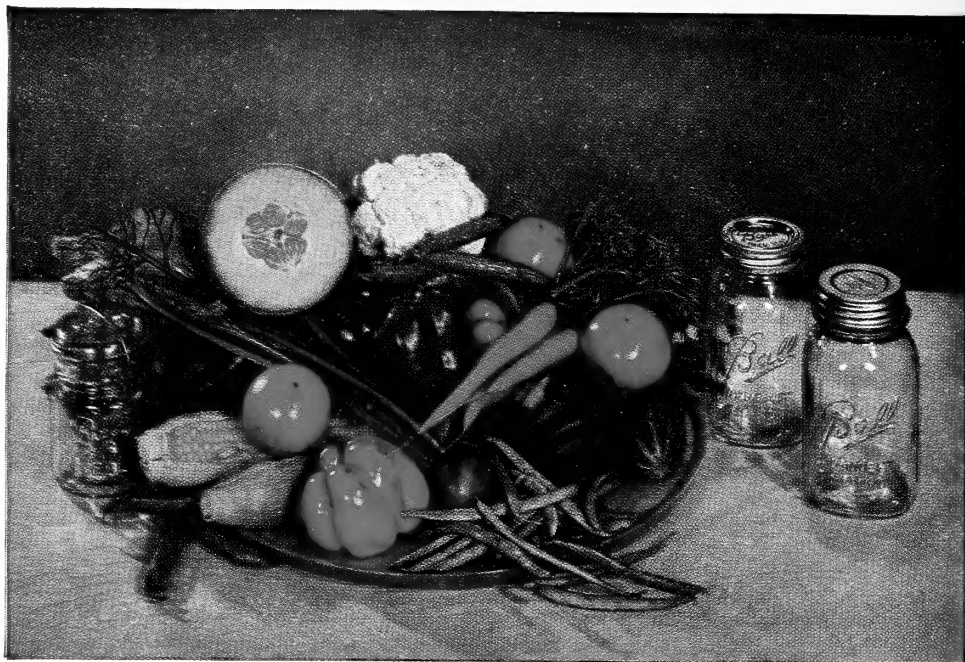
DALLAS 1, TEXAS

Erway and Pacific

P. O. BOX 748



# Gardening is Fun



## Freedom!

**IT'S FUN** planning how to make your bit of earth produce luscious vegetables, and bloom with gay flowers. It's fun to take an unpromising garden, and coax it with conditioners and fertilizers, into rich loam that gives satisfying results. It's fun watching things grow under one's own hands.

**FOOD** grown in home gardens is more appetizing, more vitamin-rich—fresher. By careful planning and work, and careful study of the Vitamin tables on pages 19 and 20, your garden can become a year-round contributor to more balanced meals.

**FREEDOM** from dependence on the grocery for every meal—freedom from monotonous menus—freedom for the youngsters in home entertaining, where fresh and home-canned foods are always available. That's what a real, year-round garden can mean—freedom!

**REAL HOMES**—are the farms with year-round gardens, with well-filled pantry shelves,—and city homes where small plots are made into "working" gardens. It is patriotic and possible to have food from the garden every day of the year, in the Southwest.

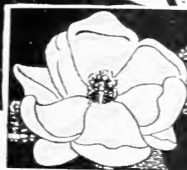


MAGNOLIA SEEDS ARE *Good* SEEDS



# Magnolia

## VEGETABLES



# Seeds

## BEANS

Most Nutritious and Tasty Right Out of the Garden—Sow Some Every Few Weeks

### GREEN POD BUSH BEANS

**CULTURE**—Beans are sensitive to both cold and wet and should be planted when the ground has become dry and warm. Plant in drills two to three feet apart for best results.

Cover seed 1 inch deep and thin plants three to six inches apart in row. Up to time of blossoming, cultivate shallow. Mutilation of roots by cultivation after plants have come into bloom causes blossoms to blast, and reduces crop. One pound plants 100 feet, 30 to 50 pounds to an acre. For succession plant every two weeks until mid-summer. Frequent picking results in long bearing.

**Tendergreen (New Stringless)**—56 days, 6 inches. Enormously prolific, flavorful and tender, medium dark, stringless podded bean, bred for canning purposes. Market growers are enthusiastic about this new bean.

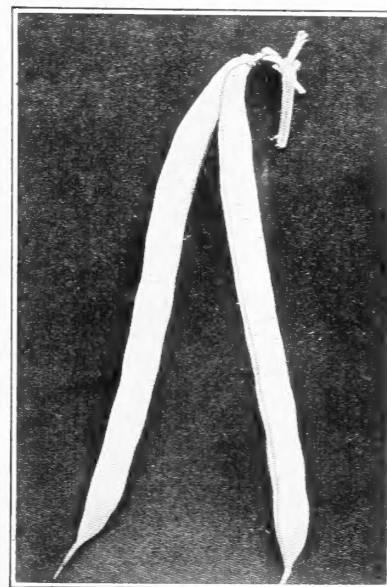
**Giant Stringless Green Pod.**—56 days, 6 inches. Heavy yielding, stringless, meaty and crisp. Extensively used for canning. Recommended to Market Gardeners for quality, salability and ease of picking.

Prices above varieties—Pkt. 10c— $\frac{1}{2}$  Lb. 25c—Lb. 40c—2 Lbs. 75c—5 Lbs. \$1.50—Postpaid.

### PEST CONTROL ON BEANS

Against **Aphids** and **Mexican Bean Beetles**, use Acme Rotenone Garden Guard, NNOR Garden Spray, or Acme Vegetable and Flower Garden Dust.

**Landreth Stringless (Improved Burpee)**—54 days, 5 inches. Slightly curved pods, fleshy and rich in flavor. Very prolific. Fine for snap beans and canning. Good market variety.—Pkt. 10c— $\frac{1}{4}$  Lb. 25c—Lb. 40c—2 Lbs. 75c—5 Lbs. \$1.50—Postpaid.



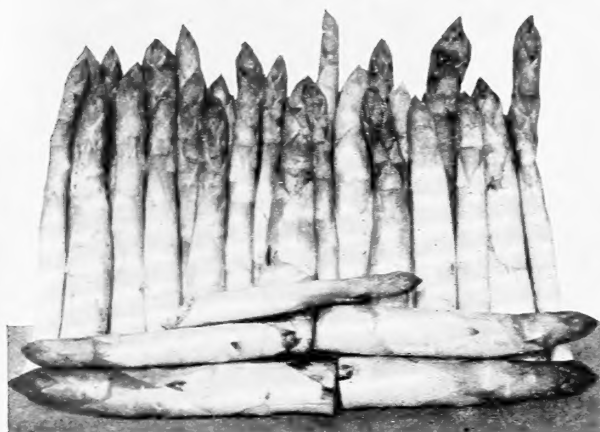
Giant Stringless

**Tennessee Green Pod**—52 days, 7 to 8 inches, flat, dark green, meaty, brittle, fine flavor. Popular with market gardeners. May be planted early. Withstands cold and inclement weather, yields heavily.

**Bountiful**—51 days. Strictly stringless, 8-inch, straight, broad, flat, light green tender pods. Practically rust and mildew proof. Good market variety.

**Improved Stringless Red Valentine**—54 days, 5-inch curved round pods, old reliable bush bean, hardy fine flavor, very fleshy, crisp and tender. Stands adverse weather conditions. Good shipper and prolific.

Prices above varieties —  
Pkt. 10c— $\frac{1}{2}$  Lb. 25c—  
Lb. 40c—2 Lbs. 75c—5  
Lbs. \$1.50—Postpaid.



### ASPARAGUS

Easy to Grow—and Fits into Many Delicious Menus

**SEED CULTURE**—Soak the seed at least 24 hours before planting. Sow in spring or fall in rows 3 feet apart. Cover seed about 1 inch. When plants are well established thin to about one inch apart. By the following spring, roots will be ready for setting in the permanent bed. One ounce of seed to 100 feet of drill. 1 pound will plant an acre. One ounce will produce 800 plants.

### PEST CONTROL ON ASPARAGUS

Against **Asparagus Beetles** use Acme Rotenone Garden Guard, NNOR Garden Spray, or Acme Arsenate of Lead.

**Washington Asparagus Seed**—Improved strain of rust-resistant quality. Giant size, high yield, straight stalks of fine flavor and rich green color running darker at tip. Very popular with market gardeners.—Pkt. 5c—Oz. 25c— $\frac{1}{4}$  Lb. 70c—Postpaid.

**ROOT CULTURE**—The soil for asparagus must be well drained, and should be worked to a depth of 16 or 18 inches. After first year, use a liberal dressing of peat moss and Vizoro. Dig trenches about 6 inches deep and place roots about 18 inches apart. Rows should be at least 4 feet apart. Early in the spring spade a liberal dressing of manure between the rows and apply a little nitrate of soda or ammonia sulphate. It requires 65 roots to 100 ft. of row, 9,750 to acre.

**Asparagus Roots**—Large, healthy planting size.—Doz. 60c—50 \$2.25—100 \$3.75—Postpaid.

### INOCULATE BEANS WITH NITRAGIN "D"

NITRAGIN often increases yields up to 50%, and more. It makes legumes richer in vitally needed protein and helps build soil fertility.



"NITRAGIN D" for BEANS—Snap, Wax, Kidney.

35c worth of Nitragin for 1 Bu. (60 lbs.) of seed.

For smaller quantities get 1 pkg. Garden Nitragin—10c



Tendergreen

## January Planting

### VEGETABLE

Asparagus,  
Beans,  
Broccoli,  
Brussels Sprouts,  
Cabbage,  
Cauliflower,  
Collards,  
Egg Plant,  
Kale,  
Kohi Rabi  
Lettuce,  
Onions,  
Peas,  
Pepper,  
Radish,  
Rhubarb,  
Tomato.

### FIELD

Barley,  
Grasses,  
Oats,  
Peas,  
Rape,  
Rye,  
Wheat.

# GREEN POLE OR SNAP BEANS

**CULTURE**—Pole beans are more sensitive to climatic conditions than the bush variety, but are superior in quality and productiveness. When ground is warm set poles 4 to 8 feet long, slanting slight to the north in rows 4 feet apart, extending north and south, the poles being 3

feet apart in the row, so vines can climb readily and pods can grow straighter and be more easily seen. Around each stake plant 5 to 8 beans, 1 inch deep. When well started, thin to 4 plants. Use ½ pound to 100 poles; 15 to 20 pounds to the acre.

**Kentucky Wonder**—65 days. Most popular and widely planted of all pole beans, early and unusually heavy producer. Vines are very vigorous, bearing 8½-inch pods in large clusters. Pods green, curved, round, meaty and tender. Seed buff brown.

**Ideal Market**—60 days. Very fine flavored, black seeded, hardy vine bean. Extremely popular with market gardeners, account heavy yields and good shipping qualities. Pods 5 inches, round, slightly curved, stringless, fleshy and tender.

**White Creaseback**—68 days. Very hardy and productive. Pods, 6 inches, slightly curved, round, slender, brittle and tender. Seed ivory white. A fine market crop. Especially suited to early fall planting. Stringless when young.

**Striped Creaseback (Cornfield Beans)**—70 days. Very hardy. Plant early enough to get one or two plowings before laying by your corn. Pods 9 inches, round, tender and creaseback. Seed plump, oval, tan with black stripes. Satisfactory for table use.

Prices above varieties—Pkt. 10c—½ Lb. 25c—Lb. 45c—2 Lbs. 85c—5 Lbs. \$1.75—Postpaid

## PLANT OUR QUALITY SEEDS

Nearly a century ago, Rogers Bros., growers of our beans, peas and corn, became convinced that "Blood Tells" in seeds as in livestock. Year after year they have maintained breeding programs and today, to those who know Rogers Beans, Peas and Corn Seeds mean plants that are true to variety, bad weather resistant, disease resistant — surest to produce satisfactory crops under hard conditions. Rogers, and other seed growers who produce our seeds, meet Magnolia Seed Co.'s strict standard for seeds. That's why market gardeners, who earn their livelihood from the seeds they plant, demand MAGNOLIA'S GOOD SEEDS.



Golden Wax

## WAX OR YELLOW POD SNAP BEANS

**CULTURE**—Same as Green Pod Bush Beans.

**Top Notch Golden Wax**—50 days. Most popular of wax varieties. Pods about 5 inches, flat, straight, and golden yellow. Compact, vigorous plants, exceptionally prolific. Desirable for home and market.

**Pencil-Pod Black Wax**—57 days. Early producing, golden yellow, fleshy and stringless. Round, slightly curved, pod 6½ inches long, black seed. Excellent quality.

Prices above varieties—Pkt. 10c—½ Lb. 25c—Lb. 45c—2 Lbs. 85c—5 Lbs. \$1.75—Postpaid

## "BLOOD TELLS" in BEAN RAISING

## BUSH LIMA OR BUTTER BEANS

### PEST CONTROL

Against Aphids and Mexican Bean Beetles, use Acme Rotenone Garden Guard, NNOR Garden Spray, or Acme Vegetable and Flower Garden Dust.

**Henderson Bush Lima** — 65 days. Most popular bush lima, two weeks earlier than any of the climbing varieties. True bush type and continues to grow and set pods until stopped by frost. Pods 3½ in., curved, dark green, 3 to 4 beans. Seed small, white and flat. Used extensively for home canning, market and dried.

Prices—Pkt. 10c—½ Lb. 25c—Lb. 40c—2 Lbs. 75c—5 Lbs. \$1.50—Postpaid

### POLE LIMA BEANS

**CULTURE**—Same as other pole beans except seed planted two weeks later. ½ pound will plant 100 hills; 15 to 20 pounds will plant an acre.

**Carolina or Sieva (Small White Lima)**—75 days—Very early, heavy yielding, small-seeded lima or butter bean, especially adapted for South. Pods dark green,

3 inches, curved and flat, 2 to 4 beans.

**Florida Speckled Butter Bean** — 70 days. Very early variety that blooms and bears profusely all season. Pods 3½ inches, 2 to 4 beans, speckled white and purplish-brown.

Prices—Pkt. 10c—½ Lb. 25c—Lb. 40c—2 Lbs. 75c—5 Lbs. \$1.50—Postpaid

### STEP ONE in Making a Garden

#### Plan Early

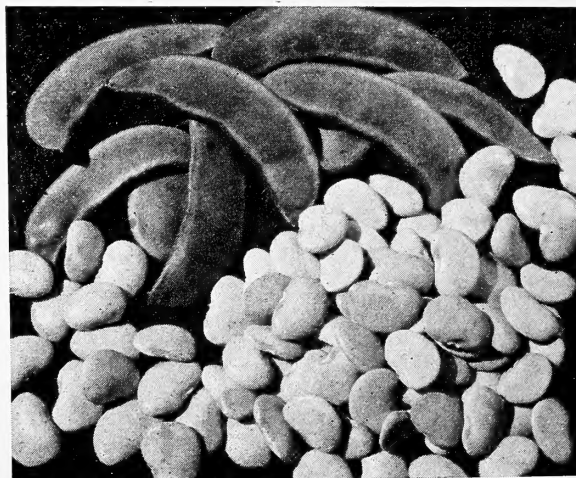


### INOCULATE ALL BEANS WITH

## NITRAGIN

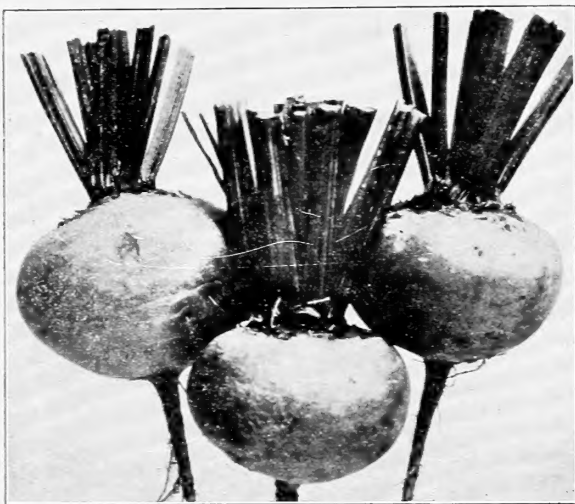
Before Planting—For Greater Yields

NITRAGIN is the oldest, most widely used inoculant. It is produced in the most complete laboratory of its kind in the world. Without the beneficial bacteria that NITRAGIN supplies, legumes may be soil robbers and their growth stunted. Don't gamble—inoculate every pound of legume seed with NITRAGIN—See page 1 for prices.



Lima Beans





Detroit Dark Red Beet

## SWISS CHARD

OR

### Spinach Beet

For Greens and Poultry

CULTURE—Like beet except should be thinned to 8 or 10 inches apart.

#### SWISS CHARD PEST CONTROL

Against Caterpillars use Acme Arsenate of Lead.



Swiss Chard or Spinach Beet

leaves will continue to grow.—Pkt. 5c—Oz. 15c— $\frac{1}{4}$  Lb. 40c—Lb. \$1.10—Postpaid.

## BROCCOLI



Calabrese Broccoli

#### BROCCOLI PEST CONTROL

Against Aphids, Cut Worms and Cabbage Worms use NNOR Garden Spray, Acme DuraDust, or Acme Rotenone Garden Guard.

CULTURE—Plant and cultivate broccoli like cabbage. One ounce will produce 5,000 plants.

## TABLE OR GARDEN BEETS

FOR PICKLING, SALADS, CANNING AND MARKET

CULTURE—The best results are obtained on a deep, rich, sandy loam. Sow as early as the ground can be prepared in drills 18 inches apart and thin out to 3 or 4 inches in rows. Planting in a succession, you can still be having tender greens when the roots are pulled for canning. Beets are easily stored for use during the winter. Always sow in freshly prepared soil, which should be pressed firmly over the seed. 1 ounce will sow 100 feet, 6 pounds per acre.

**Detroit Dark Red**—52 to 55 days. One of America's best beets for market and home garden, on account of its uniformly rich blood-red meat, most desirable for canning. Medium size, globular or nearly round, very smooth.—Pkt. 5c—Oz. 15c— $\frac{1}{4}$  Lb. 50c—Lb. \$1.45—Postpaid.



## CELERY

CULTURE—Sow in February, March and April in a hotbed and transfer to a cold-frame to make them stocky and strong. Seeds should be covered  $\frac{1}{4}$  inch deep, and keep moist to insure quick germination. An ounce will produce 10,000 plants. Sow  $\frac{1}{4}$  ounce to 100 feet.  $\frac{1}{4}$  pound to acre.

#### CELERY PEST CONTROL

Against Blights, use Acme Bordeaux Mixture, or Acme Kopper King.

**Golden Self-Blanching**—The finest early and most profitable celery in cultivation. It has a natural golden yellow plant, and branches quickly. Stalks thick, solid and sweet.—Pkt. 10c—Oz. 95c— $\frac{1}{4}$  Lb. \$3.35—Postpaid.

**Calabrese Green Sprouting**—Broccoli bears a succession of sprouting heads, which, if kept cut continues to form for six to eight weeks. Each Sprout produces a small cauliflower-type head of deep green buds. Can be prepared many ways and especially delicious when buttered or in cream sauce.—Pkt. 10c—Oz. 30c— $\frac{1}{4}$  Lb. 95c—Lb. \$2.75—Postpaid.

**Early Blood Turnip**—60 days. Roots nearly round or slightly flattened, and bright red with zonings of a lighter shade. A good variety for home garden.

**Crosby's Egyptian**—50 to 55 days. One of the earliest of all beets. Especially desirable for bunching because of its small top. Flesh dark red, zoned with a lighter shade. Very sweet and tender. The Dallas Market prefers a lighter colored beet, like the Special Crosby, so when growing for the Dallas market, ask for "Special Crosby."

Prices above varieties.—Pkt. 5c—Oz. 15c— $\frac{1}{4}$  Lb. 50c—Lb. \$1.45—Postpaid.

**Special Crosby**—50 to 55 days. A beet bred especially for Dallas market which uses a light colored beet. Similar in every respect to the Crosby Egyptian, light red instead of dark red.—Pkt. 5c—Oz. 20c— $\frac{1}{4}$  Lb. 60c—Lb. \$1.75—Postpaid.



Brussels Sprouts

## BRUSSELS SPROUTS

CULTURE—Like cabbage. When sprouts begin to form, remove the lower leaves to force all nourishment sent to lower stem into the sprouts.

#### BRUSSELS SPROUTS PEST CONTROL

Against Aphids, Cut Worms, and Cabbage Worms use NNOR Garden Spray, Acme DuraDust, or Acme Rotenone Garden Guard.

**Long Island Improved**—Sprouts resemble miniature cabbage, growing closely on the stalk of the plant. Very hardy and will live through the winter in most sections of the South. Serve boiled or in cream sauce.—Pkt. 15c—Oz. 65c— $\frac{1}{4}$  Lb. \$2.20—Postpaid.

### Plant In February VEGETABLES

Asparagus, Beans, Beets, Broccoli, Brussels Sprouts, Cabbage, Carrots, Cauliflower, Celery, Collards, Corn, Egg Plant, Horseradish, Kale, Kohl Rabi, Lettuce, Mustard, Onions, Parsley, Parsnips, Peas, Pepper, Potatoes, Radish, Rhubarb, Rutabaga, Salsify, Spinach, Swiss Chard, Tomato, Turnips.

#### FIELD

Alfalfa, Barley, Broom Corn, Sweet Clover, Grass, Oats, Peas, Rape, Rye, Vetch, Wheat.

### STEP TWO—

#### Break Soil



In Making a Garden







### March Planting

#### VEGETABLES

Asparagus,  
Beans,  
Beets,  
Broccoli,  
Brussels Sprouts,  
Cabbage Plants,  
Carrots,  
Cantaloupe,  
Cauliflower,  
Celery,  
Collards,  
Corn,  
Cucumbers,  
Dill,  
Egg Plant,  
Horseradish,  
Kale,  
Kohl Rabi,  
Lettuce,  
Mustard,  
Okra,  
Onions,  
Parsley,  
Pansnips,  
Peas, English,  
Pepper,  
Potatoes,  
Pumpkins,  
Radish,  
Rhubarb,  
Rutabaga,  
Salsify,  
Squash,  
Spinach,  
Tomato,  
Turnips,  
Watermelons.

#### FIELD

Alfalfa,  
Barley,  
Broom Corn,  
Buckwheat,  
Sweet Clover,  
Field Corn,  
Cotton,  
Darso,  
Egyptian Wheat,  
Feterita,  
Grass,  
Hegari,  
Kafir,  
Mangels,  
Milo,  
Peas,  
Peanuts,  
Pop Corn,  
Rape,  
Sagrain,  
Sorghum,  
Sudan,  
Sunflower,  
Vetch.

## Magnolia CABBAGE

### Plant Early and Late Varieties

**CULTURE**—Prepare soil thoroughly, if you want hardy plants. Sow seed about 45 days in advance of time wanted to transplant in open. Early varieties may be sown outside in March and April. For Winter Cabbage, sow seed in June, July or August. Keep crop well watered and cultivated, for when growth is checked, seed head matures and bursts forth as soon as moisture is again applied. Cabbage requires heavy soil with good drainage and frequent but shallow cultivation. However, good crops can be obtained on lighter soil if well fertilized. Root plants deeply when setting them, to resist drouth.  $\frac{1}{4}$  lb. seed will produce approximately 20,000 plants, enough to plant an acre. The days shown indicate average number to produce heads for market from time plants are set in field.



### EARLY VARIETIES



Flat Dutch

**Early Jersey Wakefield**—62 days. Extra early and very hardy. Plant spread 22 to 25 inches. Head small, usually about 8 inches long and  $5\frac{1}{2}$  inches in diameter. Long, heart shaped, firm, closely clasped; creamy white, crisp, tender and of good rich flavor; core relatively small and slender. Wt.  $2\frac{1}{2}$  to 3 lbs. Fine home garden variety and

for an extra variety, inches across top, 6 pounds. Round heads, firm, with small heart, white and of good texture. Good for kraut manufacture, for winter culture and for shipment. — **Pkt. 10c Oz. 30c— $\frac{1}{4}$  Lb. \$1.05 — Lb. \$3.10 — Postpaid.**

#### Charleston Wakefield

—70 days. Larger, somewhat coarser than Early Jersey, but popular for shipping, because of its larger size. Plant spread 28 inches. Head usually about 10 inches long and 7 inches in diameter. Heart shaped, average weight five pounds. — **Pkt. 10c—Oz. 30c— $\frac{1}{4}$  Lb. \$1.05—Lb. \$3.10—Postpaid.**

#### All Head Early—63

days. Very hardy. Plant spread 30 inches. Large heads. Weight approximately



Early Jersey Wakefield Cabbage

### CABBAGE PEST CONTROL

Against Aphids, Cut Worms, and Cabbage Worms use NNOR Garden Spray, Acme Garden Dura Dust or Acme Rotenone Garden Guard.

### Second Early and Late Varieties

**Early Flat Dutch**—90 days. Thrifty plant with spread of 28 to 32 inches. Heads large, flat but deep, about 9 inches across and 6 to 7 inches deep, weighing about 6 lbs. Very firm and tender; white with faint tinge of yellowish green.

#### All Season (Kraut Cabbage)

—90 days. Very sure heading. Plant spread 28 to 32 inches. Heads large, 8 to 9 inches across and about 7 inches deep, weighing 7 to 8 lbs.; very compact, white with faint tinge of yellowish green. Very resistant to hot weather. — **Prices above varieties — Pkt. 10c—Oz. 30c— $\frac{1}{4}$  Lb. \$1.05—Lb. \$3.10—Postpaid.**

#### Chinese Chihili — 75

days. Its attractive form makes it highly desirable for salads and slaw. It is also cooked like any other cabbage. Sometimes called "Celery Cabbage." The demand for this variety continues to grow on the Texas markets. — **Pkt. 10c—Oz. 20c— $\frac{1}{4}$  Lb. 65c—Lb. \$1.90—Postpaid.**



Chinese Chihili

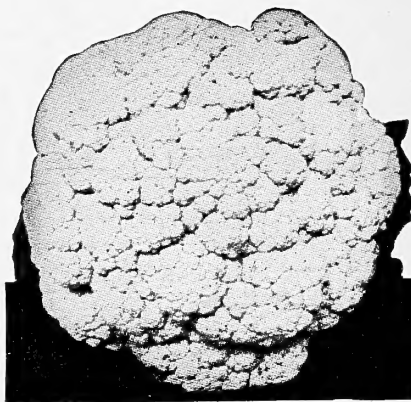
## CAULIFLOWER

You can grow them readily in your own garden and they are delicious.

### CAULIFLOWER PEST CONTROL

Against Aphids, Cut Worms, and Cabbage Worms use NNOR Garden Spray, Acme Garden Dura Dust or Acme Rotenone Garden Guard.

**Early Snowball**—Earliest maturing variety. Adapted for forcing or wintering over for early crop; also one of the best sorts for late summer and fall crop. Heads solid, round, very white, about 6 inches across. 52 days. Commonly weigh  $1\frac{1}{2}$  to 2 lbs. — **Pkt. 25c—Oz. \$2.25— $\frac{1}{4}$  Lb. \$7.50—Postpaid.**



Early Snowball Cauliflower

**CULTURE**—For spring and early summer crop, sow in January to March in a hotbed. Transplant to cold frame when large enough to handle. Set out after danger of hard freezing is past. Soil should be like that used for cabbage.

For a full crop, sow August or September and treat the plants as explained above. To bleach heads, tie leaves over them,  $\frac{3}{4}$  ounce sufficient to plant 100 feet; 4 ounces for an acre, 1 ounce will produce 5,000 plants.



# MAGNOLIA CANTALOUPE

Test for Acidity

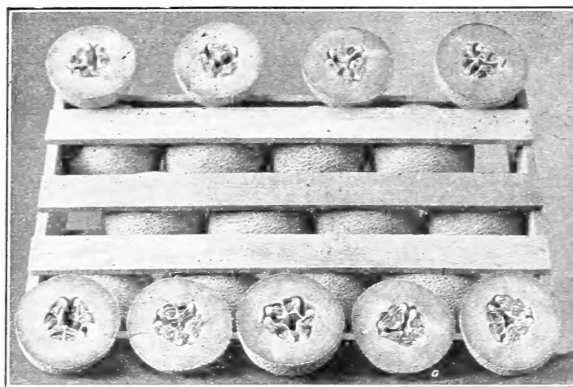
SEED OF FINEST IMPROVED STRAINS

HERE'S HOW TO GROW LUSCIOUS MELONS

**CULTURE**—After danger of frost, plant in rich soil, preferably sandy loam in hills, from 4 to 6 feet apart. Put 10 to 12 seeds in a hill, cover with about 1 inch of fine soil, firmly pressed down. When plants begin to crowd, thin to 4 of the most vigorous plants in the hill. Give frequent but shallow cultivation until plants make runners. Rich earth for young plants is far better, but if manure must be used, see that it is well rotted and thoroughly mixed with the soil. Vigoro has proved to be very satisfactory for fertilizing soil into which cantaloupes are to be sown. Use 1 ounce of seed to 100 hills; 2 to 3 pounds to acre.

## CANTALOUPE PEST CONTROL

Against **Anthraxnose, Leaf Spot and Downy Mildew** use Acme Bordeaux Mixture; against **Striped Cucumber Beetle** use Acme Rotenone Garden Guard or Acme Vegetable and Flower Garden Dust.



Rocky Ford Netted Rock

## Green Flesh Varieties

**Rocky Ford Netted Rock**—95 days.  $5\frac{1}{2} \times 5$  inches.  $2\frac{1}{2}$  lbs. Flesh green, spicy and sweet. Unexcelled flavor. Most popular of all green meated varieties. Vine is hardy and a good producer. Rind heavily netted, with ribs scarcely noticeable. Good shipper.

**Gold-Lined Rocky Ford**—92 days. Splendid green-fleshed Rocky Ford, medium early, but unexcelled for a main crop variety. Delicious, almost round melon covered with lace-like netting, averages about 5 inches in length. Flesh is smooth-grained, rich green with beautiful gold tint next to the small seed-cavity. Flavor is delicious and spicy. Highly rust-resistant and yields heavily.

**Honey Dew**—110 days.  $7\frac{1}{2} \times 7$  inches, 6 $\frac{1}{2}$  lbs. A great favorite. Fine shipper, adapted to the South, but does not do well elsewhere. Flesh green, sweet and tender. Rind white, with some net, ripening to a light cream color. If properly stored, remains edible for months. **Prices above varieties—Pkt. 10c—Oz. 25c— $\frac{1}{4}$  Lb. 75c—Lb. \$2.20—Postpaid.**

## BUY YOUR SEEDS FOR QUALITY—NOT PRICE

Make your acres, work, fertilizer and money produce more—By planting Magnolia tested quality seeds.

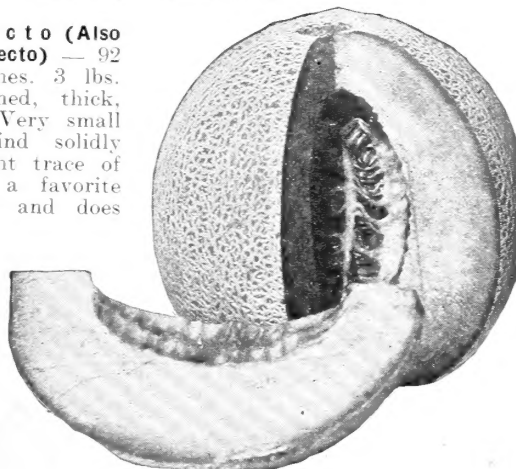
**Honey Ball**—105 days,  $5 \times 4\frac{1}{4}$  inches, 3 lbs. Sweet, spicy flavor. Flesh green, very thick and edible to the rind. Rind white with heavy netting and quite hard. Very good for shipping. **Pkt. 10c—Oz. 25c— $\frac{1}{4}$  Lb. 75c—Lb. \$2.35—Postpaid.**

Sizes and weights given are approximate. Weather conditions will naturally cause variations.

## Pink Flesh Varieties

**Improved Perfecto (Also known as Superfecto)**—92 days.  $5\frac{1}{2} \times 5$  inches. 3 lbs. Flesh fine grained, thick, orange colored. Very small seed cavity. Rind solidly netted with slight trace of stripe. This is a favorite shipping variety and does well on the late markets. Very fine flavor.

**Hales Best Mildew Resistant No. 45**—86 days.  $6 \times 5\frac{1}{2}$  inches. 4 lbs. Practically the leader in the cantaloupe field. Flesh thick, deep salmon pink, sweet and tasty. Rind heavily netted, with a faint stripe.



Improved Perfecto

Seed cavity almost as small as Perfecto. The No. 45 is a true Hales Best type of outstanding merit. Resistant to powdery mildew.

**Hearts of Gold**—88 days.  $5\frac{1}{2} \times 5\frac{1}{2}$  inches. 3 lbs. Flesh deep golden salmon, of exceptionally fine quality. Rind well netted, except-

ing a narrow stripe between shallow ribs. A splendid shipping melon.

**Pollack 10-25**—95 days,  $5\frac{1}{2} \times 5$  inches.  $2\frac{1}{2}$  lbs. This is a Rocky Ford type. Flesh is a salmon tinted, fruits uniform and very heavily netted with no trace of ribs. Good shipper.

**Banana**—94 days.  $20\frac{1}{2} \times 4$  inches. Wt. 7 $\frac{1}{2}$  lbs. Vigorous, hardy variety. Flesh pink and quite delicious. Skin lemon colored at maturity, a distinctly different long melon, tapering at ends and usually curved at the stem end. For use in home market.

**Prices above varieties—Pkt. 10c—Oz. 25c— $\frac{1}{4}$  Lb. 75c—Lb. \$2.20—Postpaid.**

Enjoy Vine-Ripened  
LUSCIOUS CANTALOUPE

From  
Magnolia Quality Seeds

STEP FOUR  
IN Making a Garden

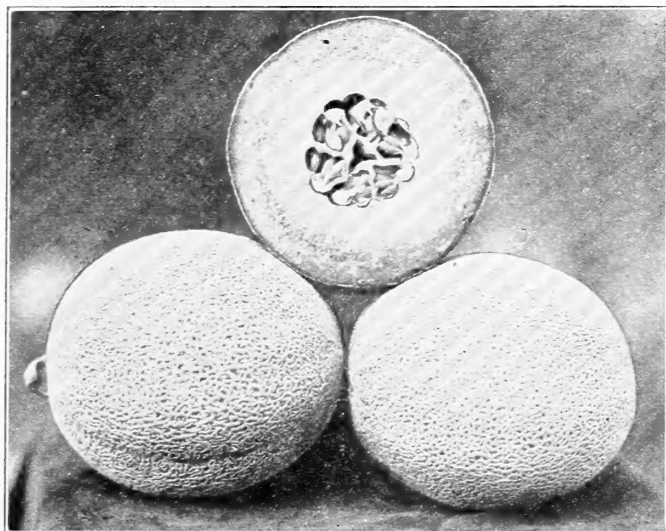
## April Planting

### VEGETABLES

Beans,  
Beets,  
Broccoli,  
Cabbage Plants,  
Cantaloupes,  
Carrot,  
Cauliflower,  
Collards,  
Corn,  
Cucumbers,  
Dill,  
Egg Plant,  
Endive,  
Horseradish  
Roots,  
Mustard,  
Okra,  
Onions,  
Parsley,  
Parsnips,  
Peas,  
Pepper,  
Potatoes,  
Pumpkins,  
Radish,  
Rutabaga,  
Salsify,  
Spinach,  
Squash,  
Swiss Chard,  
Tomato Plants,  
Turnips,  
Watermelons.

### FIELD

Alfalfa,  
Beans,  
Broom Corn,  
Buck Wheat,  
Cane,  
Clover,  
Corn,  
Cotton,  
Darso,  
Egyptian Wheat,  
Feterita,  
Grasses,  
Grohoma,  
Hegari, Kafir,  
Mangels,  
Millet,  
Milo Maize,  
Peanuts,  
Peas,  
Pop Corn,  
Rape,  
Sagrain,  
Sorghum,  
Sunflower,  
Vetch.



Hales Best Mildew Resistant No. 45







## STEP FIVE— In Making a Garden

### May Planting

#### VEGETABLES

Beans,  
Beets,  
Cabbage Plants,  
Cantaloupe,  
Carrots,  
Collards,  
Corn,  
Cucumbers,  
Dill,  
Egg Plant,  
Endive,  
Mustard,  
Okra,  
Onions,  
Parsley,  
Parsnips,  
Peas,  
Potatoes,  
Pumpkin,  
Radish,  
Rutabaga,  
Salsify,  
Squash,  
Swiss Chard,  
Tomato,  
Turnips,  
Watermelon.

#### FIELD

Beans,  
Broom Corn,  
Buckwheat,  
Corn,  
Cotton,  
Darse,  
Egyptian Wheat,  
Feterita,  
Grass,  
Grohoma,  
Hegari,  
Kafir,  
Mangels,  
Milo,  
Millet,  
Peanuts,  
Cow Peas,  
Pop Corn,  
Rape,  
Sorghum,  
Sudan,  
Sunflower,  
Vetch.

# MAGNOLIA CARROTS

Plant Every Few Weeks for  
Healthful Menu Building

**CULTURE**—Sandy loam made rich by manuring the previous year is the best soil for the carrot; any good land, if thoroughly and deeply worked produces satisfactory crops. It is advisable to sow as early as the ground is fit to work. Cover seed one-half to one inch deep and see that the soil is pressed firmly above the seed. As soon as plants appear, use cultivator or wheel hoe and thin to 2 to 6 inches apart in the row, according to the size of the variety. Use 1 ounce to 100 feet; 2 to 3 pounds to the acre.

**Imperator**—77 days. Fine texture, sweet flesh. An increasingly popular shipping variety. Root grows from 7 to 8 inches long with a shoulder of 1 1/4 to 1 1/2 inches. Deep orange in color, and almost coreless. Smooth crown, tapering slightly from a rounded shoulder to a semi-blunt tip.—**Pkt. 10c—Oz. 20c—1/4 Lb. 65c—Lb. \$1.90—Postpaid.**

**Chantenay Red Cored**—70 days. A smooth, deep orange-red, tender carrot, of fine texture. Very popular with market gar-



deners and truckers. Tops are medium sized with small neck. Mature roots are thick, 5 to 6 inches in length, uniformly half long, stump-rooted but taper slightly.—**Pkt. 10c—Oz. 20c—1/4 Lb. 65c—Lb. \$1.90—Postpaid.**

**PEST CONTROL**  
Against Leaf Spot use Acme Bordeaux Mixture

**Danver Half-Long**—75 days. Very productive and popular variety for home and market gardens because of bright, rich color. The tops are of medium size and the roots from 6 to 8 inches long, uniform to the blunt point, flesh deep orange, very crisp and tender.

**Oxheart Carrot**—75 days. A very good variety, especially for home gardens. Has a delightful flavor and grows shallowly in the ground, which makes harvesting easier, especially in tight soils. Roots "stumpy" and compact, about 4 inches long, and in mature form are used for stock feeding.

Prices above varieties—**Pkt. 10c—Oz. 20c—1/4 Lb. 65c—Lb. \$1.90—Postpaid.**

**CARROTS**  
For Nerves,  
Resistance  
and  
Eyesight  
VITAMINS!



Imperator Carrots

## "Roasting Ears" — SWEET CORN

Sugar Varieties

Protect Corn from Birds with  
CROW REPELLENT (Page 36)

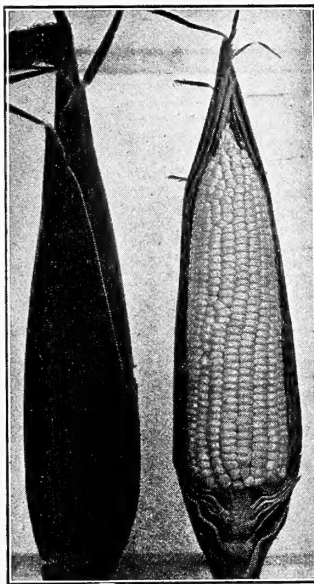
**CULTURE**—When planted in rows, the rows should be 3 to 4 feet apart; plant the seed 12 to 18 inches apart in the row, covering 1 to 2 inches deep with fine soil firmly pressed down. If planted in hills, plant 4 to 6 grains to the hill; later thin so as to leave 2 to 3 stalks to the hill. One pound will plant about 100 hills; 10 pounds to the acre. Be sure ground is warm before planting. Days indicate roasting ear stage.

#### PEST CONTROL

Against Cut Worm and Army Worm use Bait-M; against Corn Ear Worm use Acme Garden Dura Dust. Sift on silks as directed when silks are forming.

**Ioana Hybrid Sweet Corn**—80 days. Hybrid of two inbred strains of Golden Bantam sweet corn adapted to Texas. Ioana Hybrid has all excellent qualities of Golden Bantam but much more resistant to ear worm damage. Plants short, about 4-5 feet, and very uniform. Every stalk has one good ear and many stalks two ears, because of their small stalks, plant thicker, 18 to 24 inches between stalks.—**Pkt. 10c—1/2 Lb. 35c—Lb. 60c—2 Lbs. \$1.15—5 Lbs. \$2.60—Postpaid.**

**Golden Bantam**—78 to 80 days. A very early corn, golden yellow grains, very tender and sweet. Ears 6 to 7 inches long, broad meaty kernels.—**Pkt. 10c—1/2 Lb. 30c—Lb. 45c—2 Lbs. 85c—5 Lbs. \$1.80—Postpaid.**



Honey June

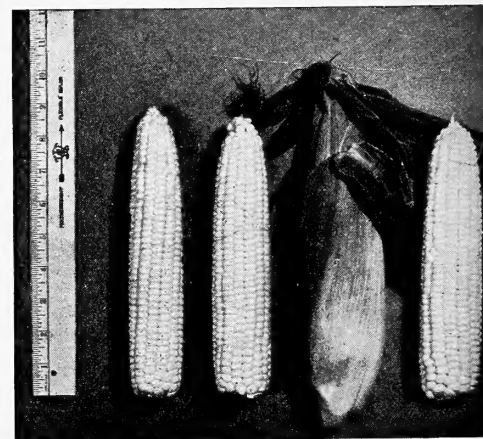
**Magnolia Honey June**—87 days. Drouth resistant and very resistant to ear worm damage, developing heavy shuck protection. Tall vigorous stalks. Ears 8 to 9 inches, with 14 to 16 rows of long, slender, white grains. Averages about 1.4 ears per stalk.

**Country Gentleman**—75 to 80 days. Ears 7 to 8 inches, exceptionally slender cob, densely packed with long, delicious, sweet white kernels, growing in irregular pattern. Grows 6 to 7 feet high and often produces 3 ears.

Prices above varieties—**Pkt. 10c—1/2 Lb. 30c—Lb. 45c—2 Lbs. 85c—5 Lbs. \$1.80**

Use  
**SEMESAN**  
**JR.**  
on  
Seed Corn  
for  
Preventing  
Rot  
and  
Blight

**Field Varieties**  
**Silver Mine**—70 days. We recommend this for early roasting ears. Our strain was grown in Oklahoma and has consistently outproduced Northern grown corn. Ears from 12 to 15 inches long.  
**Early Adams**—60 days. Stalks about 6 feet, well bladed. Ears 7 to 8 inches long and filled with large white grains.  
**Truckers Favorite**—67 days. A wonderful early table corn. Ears average 12 to 14 inches. Slightly sweet.  
Prices above varieties—**Pkt. 10c—Lb. 35c—2 Lbs. 65c—5 Lbs. \$1.35—Postpaid.**



Ioana Hybrid



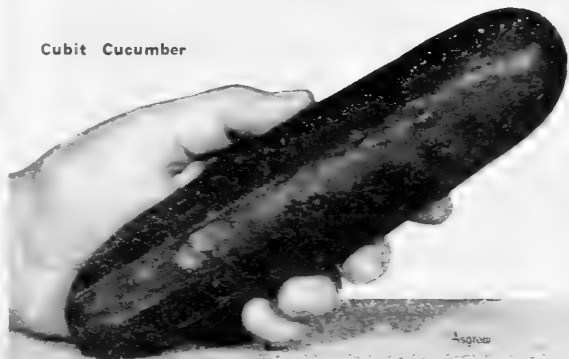
Country Gentleman



# MAGNOLIA CUCUMBERS — For Pickling and Salad

Seed and Keep Weed Free

Cubit Cucumber



**CULTURE**—For largest yield of cucumbers, soil should be well enriched with Vizoro and location should be fully exposed to the sun. Plant seed not over one inch deep, in hills from 3 to 5 feet apart each way, dropping 15 to 20 seeds in a hill. After plants begin to crowd, thin to 3 plants to the hill. Give frequent but shallow cultivation, until plants make runners. Pick fruit as soon as large enough before it begins to ripen, as vines will cease setting fruit when seeds begin to mature. In gathering for pickles, cut the stem instead of pulling fruit off, and be careful not to mar the fruit in any way; if the skin is broken, it will not keep so well. Use  $\frac{1}{2}$  ounce to 100 feet of drill  $\frac{1}{4}$  lbs. per acre.



## STEP SIX— In Making a Garden

### Plant in June

#### VEGETABLES

Cabbage,  
Cantaloupe,  
Endive,  
Okra,  
Parsnips,  
Pumpkin,  
Salsify,  
Squash,  
Sweet Potatoes,

#### FIELD

Beans,  
Broom Corn,  
Corn,  
Dawson,  
Egyptian Wheat,  
Feterrita,  
Grass,  
Grohoma,  
Hegari,  
Kafir,  
Millet,  
Milo,  
Peanuts,  
Peas,  
Sorghum,  
Sunflower.

### CUCUMBER PEST CONTROL

Against Striped Cucumber Beetles use Acme Vegetable and Flower Garden Dust, Acme Rotenone Garden Guard or NNOR Garden Spray.

### White Spine

**Cubit (Illustrated)**—Won Bronze Medal Award in 1944 All American Selections. Dark green, white spine, cylindrical with blunt ends. Good for slicing and shipping. Firm flesh and uniform coloring. Something new and worthwhile.

**Straight Eight**—58 days.  $9\frac{1}{2} \times 2\frac{3}{4}$  inches, 2 pounds. Long, slender fruit, smooth, with a slight taper at each end. Very dark green. (1935 All-American Gold Medal Award). A good shipper.

Prices above varieties—Pkt. 5c—Oz. 25c— $\frac{1}{4}$  Lb. 80c—Lb. \$2.40—Postpaid.

**Early Fortune**—58 days.  $9\frac{3}{4} \times 2\frac{7}{8}$  inches, 2 $\frac{7}{8}$  pounds. Very early, productive and disease resistant. Rich dark green, holding color well. The best shipping variety.

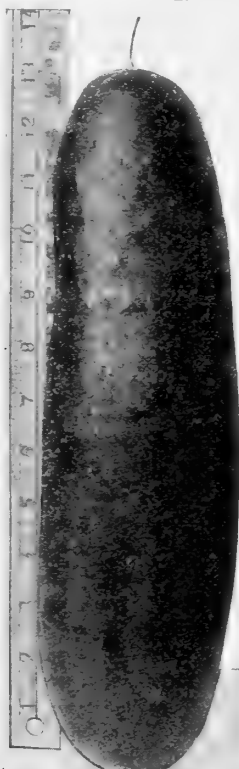
**Davis Perfect**—58 days. 12x3 inches. 2 $\frac{1}{2}$  lbs. Long, smooth cucumber,

tapering at both ends. Deep green color, fresh and crisp, few seeds. Very popular for home markets and gardens.

**Improved White Spine**—60 days.  $9\frac{3}{4} \times 3\frac{1}{4}$  inches. 2 $\frac{3}{4}$  lbs. Main crop, good producer. Color good in the young fruits. A good type for home gardens.

Prices above varieties—Pkt. 5c—Oz. 25c— $\frac{1}{4}$  Lb. 75c—Lb. \$2.20—Postpaid.

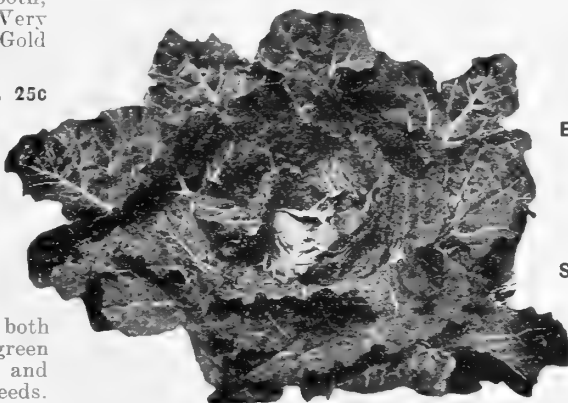
Try Some  
New  
Cucumber  
Varieties  
This  
Season



Improved Long Green

### Black Spine

**Improved Long Green**—62 days.  $13 \times 3\frac{1}{4}$  inches. 3 $\frac{3}{4}$  lbs. The best cucumber for either slicing or pickling. Vines vigorous and productive. Very hardy and disease resistant. Fruit dark green, slightly warted, flesh crisp and white.—Pkt. 5c—Oz. 25c— $\frac{1}{4}$  Lb. 80c—Lb. \$2.40—Postpaid.



Georgia Collards

## Magnolia COLLARDS

**CULTURE**—Especially good for winter greens. Grown in home gardens for table use; also by truckers for market. Seed should be sown thickly, transplanting when 4 inches high, or sow in rows where plants are to remain, and when well started thin to 16 to 18 inches apart in rows.  $\frac{1}{2}$  ounce to 100 feet. 5 ounces to acre.

### PEST CONTROL

Against Aphids, Cut Worms, and Cabbage Worms use NNOR Garden Spray, Acme Rotenone Garden Guard, or Acme Garden Dura Dust.

**Georgia or Southern**—Very hardy. Plants grow 2 to 3 feet high, forming a cluster of succulent tender leaves at top of rather long stem, are used as vitamin-rich greens.

**Cabbage or White**—A white heading variety as hardy as the ordinary collard but with better flavor and more tender. Grows 1 $\frac{1}{2}$  to 2 feet high.

Prices above varieties—Pkt. 5c—Oz. 10c— $\frac{1}{4}$  Lb. 30c—Lb. 75c—Postpaid.

A half-cup of cooked Collards contains 6300 units of Vitamin "A."

## AVOID ANOTHER PICKLE SHORTAGE

in 1946

By Pickling Lots of Cucumbers

## Magnolia Spicy DILL

Seeds and Leaves Used for Pickling and Seasoning

**CULTURE**—Thrives best in sandy soil and better flavored when grown on poor soil. Soil should be carefully prepared and well cultivated as young plants are easily choked out by weeds. Sow as early as the ground can be made ready in drills 16 to 18 inches apart, lightly pressing the soil over the seed. Cut when in bloom, wilt in sun and thoroughly dry in shade.

**Dill**—An annual of aromatic odor and warm, pungent taste. Seeds and leaves used for seasoning and making dill pickles. 3 months from seed time to harvest.—Pkt. 5c—Oz. 15c— $\frac{1}{4}$  Lb. 45c—Lb. \$1.35—Postpaid.



## Water



### Plant in July

#### VEGETABLES

Brussels Sprouts  
Cabbage,  
Cantaloupe,  
Corn,  
Mustard,  
Potatoes,  
Rutabaga,  
Squash,  
Turnips.

#### FIELD

Soy Beans,  
Clover,  
Corn,  
Darrow,  
Grass,  
Hegari,  
Millet,  
Stock Peas,  
Rye,  
Sorghum,  
Sunflower.

## FOR TABLE

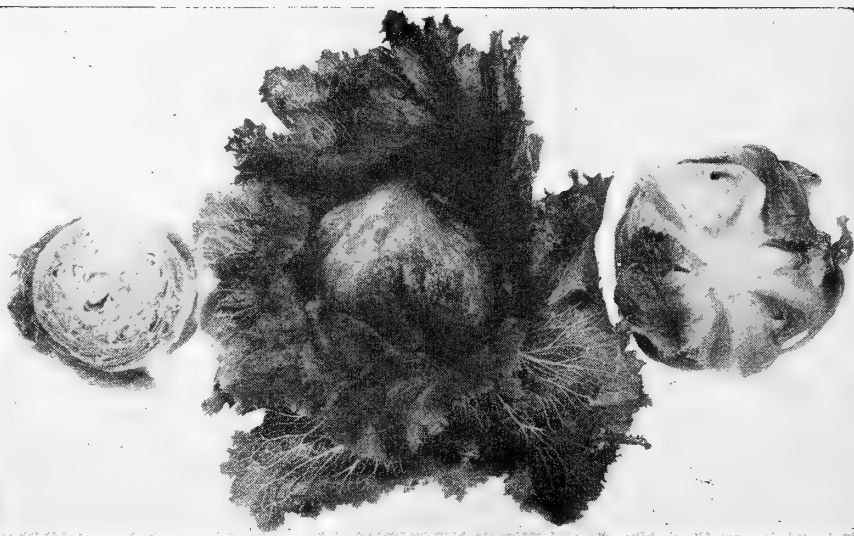
**CULTURE**—For best results with lettuce, keep growing rapidly. A light, rich soil will do this. For earliest varieties, start seed in a cold-frame in fall and protect through the winter. Transplant to open ground as soon as the ground can be worked. For later use, sow seed in the open ground when the season will permit. in rows 12 to 18 inches apart. Thin the plants in the rows to 4 to 8 inches depending on the variety. 1 oz. will sow 100 ft. 2 lbs. to acre.

### LETTUCE PEST CONTROL

Against Downy Mildew  
use Acme Bordeaux Mix-  
ture.

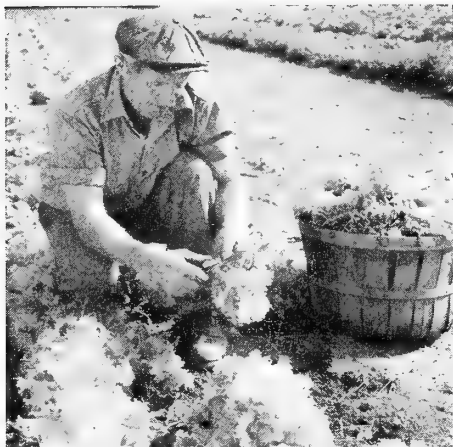
# MAGNOLIA LETTUCE

## FOR MARKET



Great Lakes Head Lettuce  
(All-America 1944 Bronze Award)

## HEADING VARIETIES



Harvesting Loose Leaf Lettuce

**Great Lakes**—75 days. Won Bronze Medal in 1944 All American Selection. Iceberg type heat-resistant lettuce, slow to throw up seed head. Good crisp head. Try this fine new variety.—Pkt. 10c—Oz. 60c— $\frac{1}{4}$  Lb. \$2.05—Lb. \$6.10—Postpaid.

**Wonderful or New York**—78 days. Much used as a fall and winter market variety. Plants are very large, strong and robust, withstanding both hot and dry weather and are slow to run to seed. The inner leaves form a large head and are a beautiful yellow color. Heads frequently weigh 3 to 4 lbs.—Pkt. 10c—Oz. 40c— $\frac{1}{4}$  Lb. \$1.30—Lb. \$3.85—Postpaid.

**Iceberg**—75 days. A large crisp cabbage-heading variety with very firm and hard heads and well blanched, often sown in August for fall use. Leaves are medium green color with faint brown tracing on border.—Pkt. 10c—Oz. 25c— $\frac{1}{4}$  Lb. 90c—Lb. \$2.60—Postpaid.

**Big Boston**—65 days. Very popular for outdoor culture and also in demand as a compact, large-heading, forcing variety for cold frame. Leaves are bright green, heads slightly tinged with reddish-brown. Heads up under cold weather conditions better than any other variety.

**Improved Hanson Lettuce**—75 days. A most desirable late summer variety; stands hot, dry weather better than most summer varieties. Thinleaved, curly, tight-headed. Crisp, tender and sweet.

Prices above varieties—Pkt. 10c—Oz. 25c— $\frac{1}{4}$  Lb. 90c—Lb. \$2.60—Postpaid.

### Loose-Leaved Varieties

**Simpson's Early Curled**—60 days. very extensively used for an early loose-leaved clustering variety. Especially adapted for sowing thickly and cutting when plants are young. Broad frilled leaves, light green.

**Simpson's Blackseed**—60 days. Best loose-leaf variety for sowing outdoors where an exceedingly tender leaf is desired. This curly, bunching variety has attractive frilled, light green, thin leaves of crisp, excellent quality.

**Early Prizehead**—60 days. A crisp, tender, strictly loose-leaved, non-heading variety. Plant medium large, leaves broad, crumpled and frilled, outside leaves tinged red under leaves wholly green. Very popular for home garden, but will not stand shipping or handling on the market.

Prices above varieties—Pkt. 10c—Oz. 20c— $\frac{1}{4}$  Lb. 70c—Lb. \$1.85—Postpaid.

### PLANT IN GOOD SOIL

Don't waste good seeds, by planting them in hard, barren, trashy ground. Prepare the seed-bed carefully with fertilizer and conditioners.



**Chicken Lettuce**—45 days. Grown extensively for poultry and rabbit feeding. Non-heading, produces abundance of leaves. After cutting, stumps make new growth, with proper moisture, enabling you to harvest leaves for a long period.—Pkt. 10c—Oz. 20c— $\frac{1}{4}$  Lb. 70c—Lb. \$1.85—Postpaid.

### USE THE NUTRITION CHARTS

On page 19 to help plan better tasting, more healthful meals, and for helping to plan your garden.

# EGGPLANT SEEDS

## EASY TO GROW

**CULTURE**—Sow in hotbed in early spring and transplant to cold-frame when plants have two rough leaves. Set in open when all danger of frost or cold nights is past. It is best to shade young plants from the hot sun Hoe frequently, keeping the soil loose and fine. Mature in about 120 days. An ounce will produce about 2,000 plants; 5 to 6 oz. for an acre.

### PEST CONTROL

Against Flea Beetles use Acme Arsenate of Lead or Acme Bordeaux Mixture; against Lace Bugs use Acme Aphid Spray or NNOR Garden Spray.

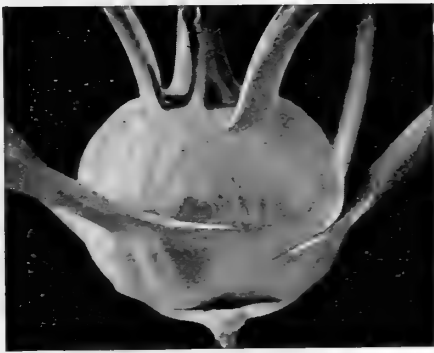
### Black Beauty —

The earliest large Eggplant. Fruits are a rich dark purple. Disease-resistant and very desirable for market growers. Very popular with truckers in south and southwest Texas.—Pkt. 10c—Oz. 80c— $\frac{1}{4}$  Lb. \$2.70—Postpaid.



Eggplant





Kohl Rabi

## KALE

### VITAMIN-RICH

**Tasty for Greens—Speeds Egg Production in Hens**

**CULTURE**—Plant during fall, winter or spring in rows 2 to 5 feet apart. Thin or transplant to 18 inches apart in the row. 1 ounce will plant 100 feet; 3 to 4 pounds will sow an acre.

#### KALE PEST CONTROL

Against **Caterpillars** and **Aphids** use Acme NNOR Garden Spray.

Finely curled, spreading, tasty green. Very hardy. Grows to 3 feet high, making it very useful for home gardens. Leaves are long, deep green. Heavy yielder.—Pkt. 10c—Oz. 20c— $\frac{1}{4}$  Lb. 65c—Lb. \$1.85—Postpaid.



Kale or Borecole

## TENDERGREEN

**A Prolific, Delicious Mustard-Spinach Green**

#### PEST CONTROL

Same as Mustard

**CULTURE**—Same as mustard.

**Tendergreen or Mustard-Spinach**—Tender, delicious, dark green, succulent, quick-growing. Practically an all-season plant, ready for market in 30 days. Stands extreme summer heat and cold weather. Taste combination of Spinach, Turnip and Mustard Greens.—Pkt. 5c—Oz. 10c— $\frac{1}{4}$  Lb. 30c—Lb. 85c—5 Lbs. \$3.70—Postpaid.



Tendergreen

## KOHL RABI

### TASTY BLEND OF CABBAGE AND TURNIP

**CULTURE**—Sow Kohl Rabi seed in early spring or fall and when well established thin to 6 inches apart in the row.  $\frac{1}{2}$  ounce will sow 100 feet. 4 pounds to the acre.

#### PEST CONTROL

Against **Aphids**, **Cut Worms**, and **Cabbage Worms** use NNOR Garden Spray, Acme Rotenone Garden Guard, or Acme Garden Dura Dust.

**Earliest White Vienna**—60 days. Small tops. Bulbs medium size, light green on outside, flesh white, mild, delicious flavor, a combination of cabbage and turnip.—Pkt. 10c—Oz. 40c— $\frac{1}{4}$  Lb. \$1.40—Lb. \$4.10—Postpaid.

## MAGNOLIA MUSTARD

**CULTURE**—Mustard is not only used as a condiment, but the green leaves are used as a salad, or boiled like spinach and turnip greens. Leaves are tenderer than turnip and stems are not so long and coarse. Sow as early in the spring as the ground will permit in rows about 6 to 12 inches apart, covering  $\frac{1}{2}$  in. deep. May also be sown in autumn for early spring use. 1 ounce sows 100 feet; 2 to 4 pounds to an acre.



Smooth Leaf Mustard



Broad Leaf Mustard

#### PEST CONTROL

Against **Aphids**, **Cut Worms**, and **Cabbage Worms** use NNOR Garden Spray, Acme Rotenone Garden Guard, or Acme Garden Dura Dust.

**Southern Giant Curled**—Leaves large, light green with tinge of yellow, crimped and frilled at edges; plant upright or slightly spreading. Highly esteemed for market and home gardens because so popular to eat like lettuce or boiled, and for its rapid growth, hardiness and quality.

Prices above varieties—Pkt. 5c—Oz. 10c— $\frac{1}{4}$  Lb. 30c—Lb. 75c—5 Lbs. \$3.20—Postpaid

## OKRA (Gumbo)

### PLANT EARLY AND LATE

**CULTURE**—After danger of frost is past, sow in rows about 3 feet apart, covering with about an inch of fine soil firmly pressed down. When about three inches high, thin to 18 to 24 inches apart in the row. Cultivate and keep free from weeds. The pods are in the best condition for use when from 1 to 3 inches long. Use 2 ounces to 100 feet; 8 to 10 lbs. per acre.



Okra

#### OKRA PEST CONTROL

Against **Powdery Mildew** use Acme Bordeaux Mixture; against **Aphids**, NNOR Garden Spray; against **Corn Ear Worm**, Acme Arsenate of Lead 50% and Dusting Sulphur 50%.

**Perkins Mammoth**—60 days. Tall stalks, long green tender pods. A desirable early canning variety.

Above varieties—Pkt. 5c—Oz. 10c— $\frac{1}{4}$  Lb. 30c—Lb. 85c—5 Lbs. \$3.70—Postpaid

### DELICIOUS FOR FRYING, STEWING, SOUPS

**Clemson Spineless**—55 days. Slightly taller than Dwarf Green Long Pod, but producing very similar pods, almost entirely free from spines. Market gardeners want this variety.—Pkt. 5c—Oz. 10c— $\frac{1}{4}$  Lb. 35c—Lb. \$1.00—5 Lbs. \$4.45—Postpaid.

**Dwarf Green Long Pod**—50 days. A sturdy dwarf-growing variety, quite early and productive. Pods long, tapering, dark green and ribbed. Very good for the home garden, and the type most used for canning.

**White Velvet**—60 days. The standard variety planted for home use and local shipment. Pods are practically smooth and slender. Plants grow about 3½ feet high and very productive.

Spray, Prime Time, etc.



**STEP EIGHT—**  
in Making a Garden

#### VEGETABLES

Beans,  
Broccoli,  
Brussels Sprouts,  
Cabbage,  
Carrots,  
Cauliflower,  
Celery,  
Corn,  
Cucumbers,  
Mustard,  
Onions,  
Peas,  
Potatoes,  
Radish,  
Rutabaga,  
Spinach,  
Squash,  
Tomatoes,  
Turnips.

#### FIELD

Barley,  
Buckwheat,  
Clover,  
Darse,  
Hegari,  
Mangels,  
Millet,  
Field Peas,  
Rape,  
Vetch.







## STEP NINE— in Making a Garden

### Plant in September

#### VEGETABLES

Beans,  
Beets,  
Broccoli,  
Carrots,  
Cauliflower,  
Celery,  
Collards,  
Cucumbers,  
Endive,  
Kale,  
Kohl Rabi,  
Lettuce,  
Mustard,  
Onions,  
Parsley,  
Parsnips,  
Peas,  
Radish,  
Rutabaga,  
Spinach,  
Squash,  
Swiss Chard,  
Tomato,  
Turnips.

#### FIELD

Alfalfa,  
Barley,  
Clover,  
Grass,  
Mangels,  
Oats,  
Peas,  
Rape,  
Rye,  
Vetch,  
Wheat.

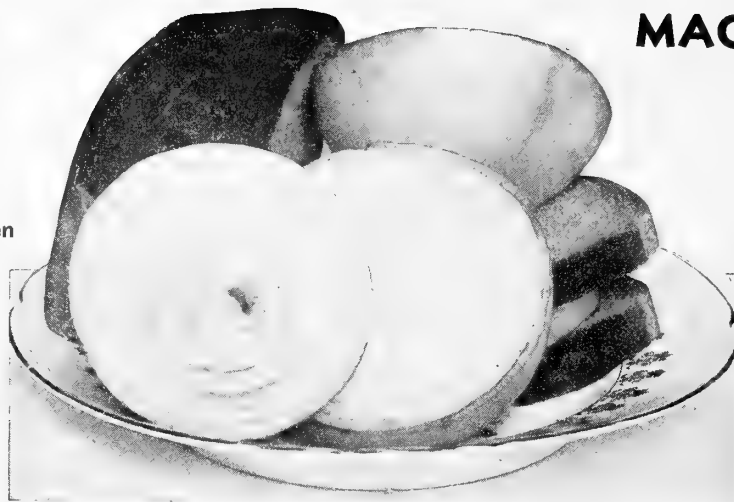
les. Bulbs nearly round when of bunching size, and somewhat flattened when mature.

Prices above varieties—Pkt. 10c—Oz. 70c  
¼ Lb. \$2.30—Lb. \$6.85—Postpaid.

### Yellow Varieties

**Babosa Onion**—Also known as Early Grano. Straw colored with white flesh, increasingly important on the Texas market. Large bulbs of excellent flavor. Recommended for early market and home use.

**Giant Yellow Prizetaker**—145 days. Successfully grown in all parts of Texas and the Central South. Skin a light straw



### White Varieties

**White Sweet Spanish**—135 days. We consider this the best of the round, mild, white onions. Pure white skin, uniform high yields make it a popular market variety.

**Silver Skin—(White Portugal)**—130 days. Medium sized onion of mild flavor, with beautiful clear white skin. Favorite when young as a salad or bunching onion, and for pick-

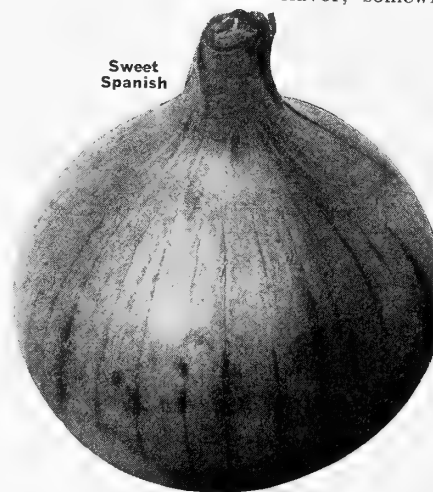
### YELLOW VARIETIES—(Continued)

color, flesh pure white, very fine grained, and mild flavor. A good keeper and shipper.

Prices above varieties—Pkt. 10c—Oz. 70c  
¼ Lb. \$2.30—Lb. \$6.85—Postpaid.

**Sweet Spanish Valencia**—135 days. A globe-shaped onion of bright yellow color and mild flavor, a little larger than the Prizetaker. A good yielder and splendid keeper; a fine variety for home or market use.—Pkt. 10c—Oz. 70c—¼ Lb. \$2.30—Lb. \$6.85—Postpaid.

Sweet Spanish



# MAGNOLIA ONION SEED

**CULTURE**—Sow seed in rich soil, thoroughly pulverized, and level in rows 12 to 24 inches apart, covering one-half inch deep. When plants are up, cultivate and keep free from weeds. When 4" to 5" high, thin to three inches apart. If sets are wanted, sow seeds thickly and don't thin out, using from 25 to 40 pounds of seed per acre when sown in beds and 4 to 6 pounds when sown in rows. An ounce will sow 100 feet. Plant both fall and spring.

### ONION PEST CONTROL

Against **Thrips** use Acme Aphis Spray, Garden DuraDust or NNOR Garden Spray.

### Bermuda Onion Seed

Teneriffe grown **Bermuda Onions** are more productive and harder than American grown seed, we offer seeds grown by the most reliable growers in the Canary Islands.

**Yellow Bermuda**—115 days. Sometimes called White Bermuda. Skin light straw color, flesh white. Bulbs are somewhat flattened, of medium size, and very sweet. Will keep better and longer than the Crystal White Wax.—Pkt. 10c—Oz. 40c—¼ Lb. \$1.30—Lb. \$3.85—Postpaid.

**Crystal White Wax Bermuda**—115 days. Most attractive of all onions; a clear waxy white, flesh of delightful mild flavor, somewhat flat, sometimes growing to the size of saucers. The most popular variety.—Pkt. 10c—Oz. 40c—¼ Lb. \$1.30—Lb. \$3.85—Postpaid.

### Red Varieties

**Red Creole**—An onion produced in the South for the south. Large, solid semi-globe onions of reddish color and fine grained flesh. Flavor is rather strong. Unexcelled for home garden. Very productive and will keep for months without showing signs of rot.—Pkt. 10c—Oz. 70c—¼ Lb. \$2.30—Lb. \$6.85—Postpaid.

## You Can Have a Garden the Year-Round in the Southwest—

Plant in rotation onions, radishes, lettuce, greens, beans, peppers, squash—  
and have something fresh every day!

Onion Plants



## ONION PLANTS

—ORDER EARLY—

**CULTURE**—Set out early in rows 36 inches apart, 4 inches apart in the row; 300 plants to 100 feet; 35,000 to the acre. We furnish from January to March.

**White and Yellow Babosa**—We have contracted the growing of a liberal supply of these fine, flavorful onions and you should certainly plant them. Postpaid Prices—Bunch (Approx. 100 plants)—25c; 5 bunches \$1.00—10 bunches \$1.75; Crate of approximately 6,000—\$7.95.—Ask for prices in larger quantities.

**Yellow and White Bermuda** plants also will be available.—Same prices as Babosa.

## ONION SETS

**Red**—Very hardy and good keepers.

**Yellow**—Another hardy variety.

**White**—These sets produce large silvery-white onions, of the finest quality.

Prices — Lb.  
40c — 3 Lbs.  
\$1.10 — Postpaid.



Onion Sets





# MAGNOLIA FRESH GREEN PEAS

**Plant Early and Late Varieties at Intervals—For All-Season Menus and Canning**

**CULTURE**—For early peas soil should be light and warm, but for general crop, a moderately heavy soil is better. Fresh manure and very rich or wet mucky soil should be avoided, as they cause a large growth of vine at the cost of the quality of the peas. Seed should be planted at a depth of 2 inches, in rows 21 to 28 inches apart for dwarf varieties and 28 to 42 inches for the taller sorts. Wrinkled varieties are more sensitive to wet weather than the smooth-seeded, but are of superior quality. Peas should be gathered as fast as fit for use. If even a few pods begin to ripen, not only will new pods cease to form, but those partly advanced will stop growing. Two pounds seed plants 100 feet; 70 to 100 pounds per acre.

## PEST CONTROL FOR PEAS

Against **Aphids** use Acme Rotenone Garden Guard, NNOR Garden Spray or Acme Aphid Spray.

## Extra Early Varieties

**Alaska**—58 days. A smooth pea of uniform vine growth, early maturing pods, filled with medium sized bright green peas of good flavor. Plants about 28 inches high, pods averaging 2½ inches. Splendid variety for marketing and canning.

**First and Best**—56 days. A smooth sort, with ability to mature quickly; unsurpassed in extra early qualities, in flavor, and in size of pod. Free from runners, and the entire crop can be taken off at two pickings. Grows about 2 feet high, pods, 2¼ inches long.

Prices above varieties—Pkt. 10c—½ Lb. 20c—1 Lb. 35c—2 Lbs. 65c—5 Lbs. \$1.30 Postpaid.

## Early Varieties

**Thomas Laxton**—62 days. A most popular variety. Large uniform 3½ inch pods, square ends, containing about 7 medium dark green wrinkled peas of excellent quality. A very satisfactory fall as well as early spring crop. Because of pro-

ductivity, flavor and heavy demand, a variety that appeals to market gardeners, also a good canning variety.—Pkt. 10c—½ Lb. 20c—1 Lb. 40c—2 Lbs. 75c—5 Lbs. \$1.50—Postpaid.

**Little Marvel**—63 days. A very good pea for home gardening. Pods are three inches long, blunt ended and closely packed with large wrinkled peas. Very sweet and delightfully flavored.

**Nott's Excelsior**—59 days. The best very early dwarf pea. Luxuriant and productive vines average about 14 inches high; pods about 2¾ inches long. Peas are unsurpassed in sweetness and quality. A desirable early wrinkled variety for the market and home.

**Laxton's Progress**—64 days. Vigorous and productive vines. Large pointed pods about 4½ inches, about 8 peas of deep green color and good flavor. Wrinkled.

**Premium Gem**—63 days. Vines very productive, 15 to 18 inches high; pods about 2¾ inches long, with 6 to 8 large wrinkled peas of fine quality.

**American Wonder**—60 days. Dwarf vines about 12 inches high, bear heavily; excellent quality wrinkled peas. Blunt pods 2½ inches.

Prices above varieties—Pkt. 10c—½ Lb. 20c—1 Lb. 40c—2 Lbs. 75c—5 Lbs. \$1.50—Postpaid.



Utilize the Yield



**STEP TEN**  
In Making  
a Garden

**Plant in  
October**

## VEGETABLES

Beets,  
Broccoli,  
Brussels Sprouts,  
Cabbage,  
Carrots,  
Celery,  
Collards,  
Endive,  
Garlic,  
Kale,  
Kohl Rabi,  
Lettuce,  
Mustard,  
Onions,  
Parsley,  
Peas,  
Radish,  
Rutabaga,  
Spinach,  
Swiss Chard,  
Turnips,

## FIELD

Alfalfa,  
Barley,  
Clover,  
Grasses,  
Oats,  
Peas,  
Rape,  
Rye,  
Vetch,  
Wheat.

## Later Varieties

**Bliss Everbearing**—80 days. Most desirable of the later for your main crop of English Peas. Stout vines about 26 inches tall and if peas are picked as mature, plant branches and bears longer than any other variety. Pod 3 inches, crowded with large wrinkled peas. Plant some of these every few weeks and have a steady crop.

**Improved Tall Telephone (Alderman)**—72 days. The leading late variety with market gardeners. Vines are tall and vigorous, growing about 4 feet high, and producing an abundance of large pointed pods 4 to 5 inches long. Wrinkled.

**Dwarf Telephone**—75 days. A healthy, very productive stocky grower; does not require staking. The green pods frequently measure 5 inches long and contain 9 to 10 very large wrinkled peas.

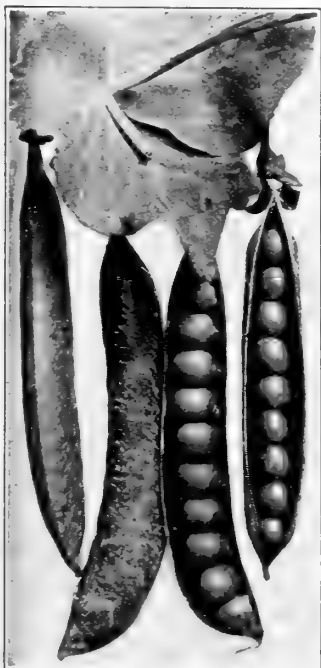
**White Marrowfat**—81 days. The tall strong vines of this variety are about 4 feet high, pods about 3 inches long, cylindrical, surface somewhat roughened, light colored and well filled. Most desirable for summer use. Smooth variety.

Prices above varieties—Pkt. 10c—½ Lb. 20c—1 Lb. 40c—2 Lbs. 75c—5 Lbs. \$1.50—Postpaid.



## HOME CANNED VEGETABLES

taste mighty good, and certainly are handy when company drops in — after the fresh supply becomes low. Home canned vegetables are finding a ready market in many sections, and you could probably develop one for yourself.



Bliss Everbearing

# MAGNOLIA SWEET PEPPERS

Produce Uniform Fruits • Right Stuffing Size

A PROFITABLE MARKET OR HOME CROP

## November Planting

### VEGETABLES

Brusse's Sprouts,  
Cabbage,  
Collards,  
Endive,  
Kale,  
Kohl Rabi,  
Lettuce,  
Mustard,  
Onion Sets,  
Parsley,  
Radish,  
Rutabaga,  
Spinach,  
Turnips.

### FIELD

Alfalfa,  
Barley,  
Clover,  
Pasture Grasses,  
Oats,  
Peas,  
Rape,  
Rye,  
Vetch,  
Wheat.

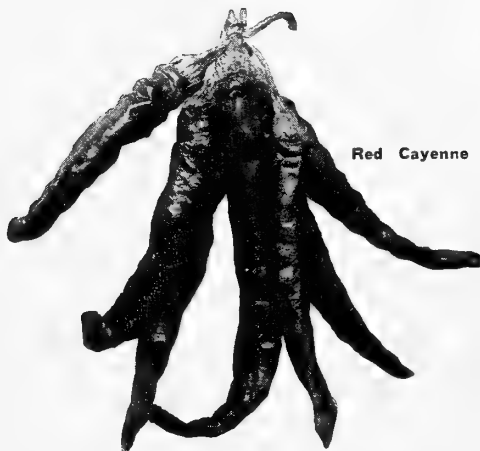
**CULTURE** — Sow seed early in hotbed, and when three inches high transplant in rows about 18 to 30 inches apart, and 15 inches apart in the row. Cultivate and keep free from weeds. An ounce will produce about 1,000 plants: 1 to 1½ lbs. will sow an acre.

## Plant PEPPERS

*For Stuffing, Seasoning, Salads and Garnishing!*

### PEPPER PEST CONTROL

**Sweet Peppers** — Against **Aphids** use Acme NNOR Garden Spray or Rotenone Garden Guard.  
**Hot Peppers**—Against **Caterpillars** use Acme Arsenate of Lead.



Red Cayenne

## HOT PEPPERS

**Long Red Cayenne**—(See illustration)—A medium early variety, having slender twisted and pointed pod, about 4 inches long. Color deep green when fruit is young, and bright red when ripe. Flesh extremely strong and hot.

**Anaheim Chili** — "Hot" in appearance, "Sweet" as to taste, having just enough pungency to season well. Fruit measures six to eight inches in length and about an inch in diameter. Valued when green as chili and when ripe for salads.

**Small Red Chili** — Late variety. Pods bright red, about 2 inches long, one-third to one-half inch in diameter at the base, tapering to point. Very prolific and "Red Hot" when ripe.

**Prices above varieties**—  
Pkt. 10c—Oz. 70c—¼ Lb. \$2.30—Lb. \$6.85—Postpaid.



**Bell or Bull Nose**—Not as tall-growing as the later varieties, but vigorous, sturdy, and productive. Fruits about 2 inches wide, 3 inches long, square shape. Deep green when immature; scarlet red when ripe.—Pkt. 10c—Oz. 85c—¼ Lb. \$2.90—Lb. \$8.60—Postpaid.

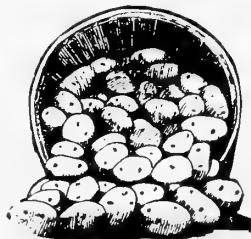
**World Beater** — One of the largest and best sweet peppers. When ripe it is bright scarlet, and the flesh is very thick, mild, and of a fine flavor. Fruits about 3½ inches across and 5 inches long. Popular on market and good shipper.

**Ruby King** — A very satisfactory home garden variety. Plants 2½ feet high, vigorous, and compact. Fruits 4½ inches long, 2½ inches broad; deep grass green when young, bright red when ripe. Flesh thick and mild.

**Prices above varieties** — Pkt. 10c—Oz. 70c—¼ Lb. \$2.30—Lb. \$6.85—Postpaid.

**California Wonder**—Dark Green, smooth, square in cross-section and very large, usually about 4 inches across, and 4 to 5 inches deep. Flesh about ¼ inch thick, the thickest of any pepper. Most popular for home gardens, and profitable for market growers because of heavy yield, and uniform size and shape.—Pkt. 10c—Oz. \$1.80—¼ Lb. \$6.00—Lb. \$18.00—Postpaid.

## Seed Irish Potatoes



IT PAYS TO PLANT CERTIFIED SEED

### PEST CONTROL

Against **Potato Bug, Leafhopper, Flea Beetle** and **Blight** use Acme Red River Potato Mix.

**CULTURE**—Plant potatoes about four inches deep in rows 3 feet apart and drop 15 inches apart in the row, about ½ peck to 100 feet of drill. Soil should be well manured or well fertilized. A ridge should be thrown over the potatoes after planting and then leveled down just before they come through. Cultivate well until in bloom, then ridge up again and leave alone until harvest.

Holding potato seed pieces for about ten days after they are cut before planting, thus allowing the surface to heal or "cork" over, is recommended by potato specialists in the U.S.D. of A. Treat seed potatoes with Semesan Bel before planting.

**Certified Red Triumph** — One of the very earliest, nearly round, and peels without waste. Fine yielder and always in good demand. Especially satisfactory in sandy soil.

**Certified Irish Cobbler**—A very good shipper, white and somewhat larger than the Triumph. Especially desirable for black soils.

Gal. 50c—Peck 95c—½ Bu. \$1.75—Bu. \$3.00—Bag \$4.60—F.O.B. Dallas.

(See Page 14 for SWEET POTATOES)



California Wonder Pepper

**Pimiento**—A fine sweet pepper extensively used for salads, canning, or so mild can be eaten raw. Cone-shaped about 3½ inches long by 2½ inches wide. Very thick fleshed.—Pkt. 10c—Oz. 70c—¼ Lb. \$2.30—Lb. \$6.85—Postpaid.

## PARSLEY

VITAMIN "A" RICH

**CULTURE**—Parsley succeeds best on rich mellow soil. Seed is slow to germinate, and should be sown as early as possible in spring in drills 12 to 18 inches apart. Cover not more than ¼ inch with fine soil firmly pressed down. When plants are well up, thin to 2 to 3 inches apart in the row. Use 1 ounce to 100 feet; 4 to 5 pounds to the acre.

### PEST CONTROL

Against **Celery Worm** (a form of caterpillar) must be handpicked and killed.

**Moss Curled**—A vigorous compact growing variety, excellent for garnishing, salads, flavoring. A handsome decorative plant. Leaves deep green and tightly curled.—Pkt. 5c—Oz. 15c—¼ Lb. 50c—Lb. \$1.45—Postpaid.



Parsley



Small Sugar

**Small Sugar (Also known as Boston Pie)** 115 days. 5½x7 inches. 4 lbs. Stores exceptionally well; favorite for canning and pies. Sturdy vines, very prolific. Flesh deep orange, thick and sweet. Rind shows distinct stripes. Shaped as above.—**Pkt. 5c—Oz. 15c—¼ Lb. 55c—Lb. \$1.55—Postpaid.**

## CUSHAWS

### ABUNDANT PRODUCERS

**Green Striped Cushaw** — 115 days. 24x8 inches. 14½ lbs. For pies, baking, and a heavy-yielding stock feed. Crooknecked, with the seeds in the blossom end or bowl. Rind white, mottled with irregular green stripes. The most popular of the Cushaw types.—**Pkt. 5c—Oz. 15c—¼ Lb. 50c—Lb. \$1.55—Postpaid.**

Rich in  
VITAMIN "A"

## MAGNOLIA SPINACH

Plant Spring  
and Fall

**CULTURE**—The seed should be planted in very rich ground in rows 14 to 18 inches apart. Plants should be thinned out 3 to 6 inches apart in the row. Seed may also be sown broadcast. The main crop is sown in September to October, for winter use, and in February and March for spring use. An ounce will sow 100 feet; 10 to 12 pounds per acre.

### SPINACH PEST CONTROL

Against **Aphids** use Acme NXOR Garden Spray.



Bloomsdale Reselected Spinach

Field or  
Garden

## MAGNOLIA PUMPKINS

Plant For Fall Money Crop—For Delicious Pies

**Kentucky Field**—120 days. 10x12 inches. 15 lbs. A hardy, late variety. Another variety for canning and stock feed. Color ranges from yellow to light orange.

**Pkt. 5c—Oz. 10c—¼ Lb. 40c—Lb. \$1.10—Postpaid.**

**Connecticut Field (also called Big Tom)**—120 days. 12x12 inches. 18 lbs. Used principally for canning and stock feed. This is a standard corn field variety, producing quantities of large orange colored fruits, flat on the ends, with smooth, hard rind. Flesh thick, dry and sweet.

**Pkt. 5c—Oz. 15c—¼ Lb. 55c—Lb. \$1.55—Postpaid.**

**King of the Mammoth Pumpkin** — 120 days. 18x18 inches. 60 lbs. Kitchen, stock feeding and exhibition. Flesh hard, firm and light color, a little coarse in texture, but of good quality. Rind bright orange with lighter stripes between rib.

**Pkt. 5c—Oz. 25c—¼ Lb. 80c—Lb. \$2.35—Postpaid.**



Cushaw—For Pies and Stock Feed

**CULTURE** — May be planted in middle of spring about corn or in hills 8 feet apart each way. Four seeds in a hill. If planted in hills they are cultivated in the same manner as cucumbers and cabbages. For winter use, gather before frost and store in a warm, dry place. Use 1½ ounces for 25 hills; 3 to 4 pounds per acre.

### PEST CONTROL

Against **Striped Cucumber Beetles** and **Squash Bugs** use Acme London Purple. Against **Rotenone** Garden Guard or NXOR Garden Spray.

## OYSTER FLAVORED SALSIFY

**CULTURE**—Succeeds best in light, rich, deep soil. Avoid coarse or fresh manure, which causes roots to become irregular and branch. Sow seeds ½ inch deep in rows 18 inches apart. Thin to 2 or 3 inches apart in the row. Cultivate same as carrots or parsnips. 1 oz. to 100 feet of drill; 6 to 8 lbs. to the acre.



Salsify

### Mammoth Sandwich Island

Nutritious, oyster flavored vegetable. It grows to large size; surpasses carrots or parsnips for mild, delicate flavor. Grown extensively where markets are established.—**Pkt. 10c—Oz. 65c—¼ Lb. \$2.15—Postpaid.**

## Pie Plant or Rhubarb

**CULTURE**—Roots should be planted by hand on level land, the crowns being placed ½ inch deep in heavy soils and 1 inch deep in sandy loams. Set out about 2½ feet apart in beds. Moisture must be kept to surface until plants are established.

### RHUBARB PEST CONTROL

Against **Blight** use Acme Bordeaux Mixture.

**Delicious for Pies—Tasty and Healthful Served Stewed**

Earliest plant you can use in the spring for pie-making and stewing. Recommended for Gulf Coast sections, but it does well in the central south and central north in moist, rich heavily fertilized, partly shaded location. Set out the roots in early spring.

**30c Each—\$3.00 per Doz. Postpaid.**





White Icicle Radish

**CULTURE**—Sow in rich, sandy soil in rows 12 to 18 inches apart, and thin out plants to prevent crowding. They should receive plenty of water, and to raise the best radishes they should be grown quickly. Crisp radishes cannot be produced in heavy soils. Successive sowings from one week to ten days apart will keep up a supply. An ounce will sow 100 feet; 10 to 12 pounds per acre. Thin out the small varieties one inch apart and the larger varieties 3 to 4 inches.

#### PEST CONTROL

Against **White Rust** use Acme Bordeaux Mixture; against **Aphids** use Acme NNOR Garden Spray or Vegetable and Flower Garden Dust.

#### Long Varieties

**White Icicle**—25 days. Most popular long white radish, one of the earliest. Tops medium size, roots clear white, slender, smooth, average when mature 6 to 7 inches long. Very crisp and mild.

**Long Scarlet Short Top**—30 days. An extra early, long radish. Roots grow 5 to 6 inches long with a third of their length above the ground. Flesh is crisp and tender until fully grown; tops short and small.

Prices above varieties—Pkt. 5c—Oz. 15c— $\frac{1}{4}$  Lb. 40c—Lb. \$1.20—Postpaid.

## PARSNIPS

**CULTURE**—Excellent for table use, prepared like turnips or carrots. Surplus may be fed to stock, especially milk cows. Succeeds best on rich, mellow soil. Sow in early spring and September and cover seed  $\frac{1}{2}$  inch, pressing soil down firmly. When well established, thin to 3 or 4 inches apart in rows,  $\frac{1}{2}$  ounce will sow 100 feet; 4 to 5 pounds per acre.



**Hollow Crown**—Roots grow 18 to 20 inches, but first 8 inches is best flavored. Smooth white flesh, uniform in shape, very tender. Try them this year, we believe you will like them.—Pkt. 5c—Oz. 15c— $\frac{1}{4}$  Lb. 50c—Lb. \$1.45—Postpaid.

## COLORFUL

# RADISHES

## FLAVORFUL

### Round Varieties

**Early Scarlet Turnip White Tipped (Sparkler Strain)**—25 days. Small round roots of rich scarlet color with a pronounced tip of pure white. Keeps solid and crisp a long time. Roots grow to  $1\frac{1}{2}$  inches without becoming pithy.

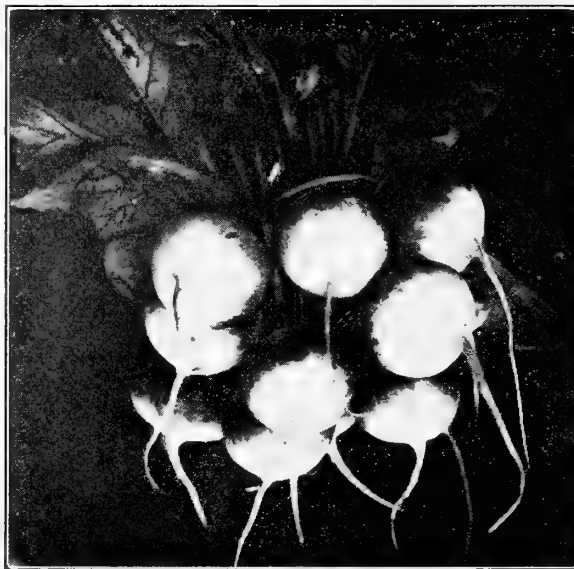
**Early Scarlet Globe**—25 to 30 days. An oval shaped variety, rich bright scarlet. Flesh white and tender. Especially recommended to market gardeners because this large fast early forcing radish sells readily. Also desirable for the home garden. Be sure to plant some of these.

**Early Scarlet Turnip Radish**—25 to 30 days. Scarlet red, round variety. Flesh white and crisp. Should be used when about an inch in diameter.

**French Breakfast**—20 days. A quick growing oblong radish about  $1\frac{1}{2}$  inches long by  $\frac{5}{8}$  of an inch in diameter when full grown. Color, rich scarlet, clear white bottom. Flesh white, crisp, splendid quality.

**Crimson Giant**—28 days. A round early radish of exceptionally large size. Roots are nearly globe-shaped of beautiful crimson color and nearly 2 inches in diameter at maturity. Flesh is crisp and mild.

Prices above varieties—Pkt. 5c—Oz. 15c— $\frac{1}{4}$  Lb. 40c—Lb. \$1.20—Postpaid.



Sparkler White Tip

## HORSERADISH

### Fine Seasoning Vegetable

**CULTURE**—Set cuttings in trenches 6 to 12 inches apart 2 inches below the surface of the ground. Cultivate until tops cover the ground, when their shade will keep down the weeds.

Best results in rich, rather moist, partly shaded locations. — 75c Per Doz. — 50 Roots, \$2.50—100 Roots, \$4.50—Postpaid.

#### VARIETAL PURITY

Garden crops grown from Magnolia Seeds are more marketable, because varieties are kept pure and the quality of vegetables the best. Just a few cents more for abundant, luscious vegetables!



Scarlet Globe

KEEP A SUPPLY COMING ON ALL  
THE YEAR 'ROUND

### Winter Varieties

**China Rose Winter**—45 days. Extensively grown for fall and winter use. Roots are cylindrical; largest near the base and blunt at both ends. Skin smooth and of a bright deep rose color. Flesh white, fine grained, crisp and mildly pungent. Desirable, late maturing.

**Long Black Spanish**—48 days. Winter Radish. Roots 8 to 9 inches long, 2 to  $2\frac{1}{4}$  inches in diameter at shoulder, slightly tapered; almost black, somewhat wrinkled. Flesh white, of firm texture, decidedly pungent.

Prices above varieties—Pkt. 5c—Oz. 15c— $\frac{1}{4}$  Lb. 40c—Lb. \$1.20—Postpaid.

## SWEET POTATOES

### OR YAMS

**CULTURE**—Cover about five inches deep and water moderately. When plants are formed set one foot apart on ridges four feet apart, well drawn up and rather flat. 3 pounds or 50 slips to 100 feet.

#### PEST CONTROL

Against **Tortoise Beetles** use Acme Arsenate of Lead.

**Porto Rican Yams**—The best keeper. Flesh is fine grained, juicy; color, golden red. Ask for prices.

**Slips**—Beginning about April 20th we will have Porto Rican Yam Slips grow from Certified Seed.

Please ask for prices



# Root Crop • TURNIPS • Green Crop

**CULTURE**—For summer use, sow in early spring in light, rich or new soil in rows 1 to 2 feet apart and cover one-half inch deep. May also be sown broadcast, but in either case be sure to have the ground rich and freshly stirred. It is important to get spring and summer crops started early so that turnips may have time to grow to sufficient size before hot weather causes them to become tough and bitter. For the fall or main crop, sow them from the middle of July to the middle of November, same as for

spring sowing. An ounce sows 100 feet: 2 to 4 pounds per acre in rows, or 6 to 8 pounds broadcast.

## TURNIP PEST CONTROL

Against Aphids, Cut Worms, and Cabbage Worms use NNOR Garden Spray. Acme Rotenone Garden Guard, or Acme Garden Dust.

## White Flesh Varieties

**Purple Top White Globe**—Table size 55 days. The most popular variety with market gardeners and for the home garden. Very attractive globular shaped root, smooth, purplish red top and flesh white, fine grained, tender and excellent flavor. Roots grow to 5 or 6 inches diameter. Tops medium large. Our strain of this variety produces very uniform roots—ideal for marketing.

**Early Purple Top Strap Leaved** — Table size in 45 days. A very early variety. Roots flat, about 5 inches in diameter; purplish red at top and clear white flesh below. Fine grained and mild.—**Pkt. 5c Oz. 10c—1/4 Lb. 30c—Lb. 75c—5 Lbs. \$3.35—Postpaid.**

**Sow Turnips from February to May— and from July to November.**

**Shogoin or Japanese** — Also known as "Louse Resistant." Well liked for its smooth, globular roots. Especially valuable for turnip greens, which may be cut in from 25 to 30 days. Growth upright about 2 feet high when fully developed. Due to rapid growth, it is practically free from insect attacks. Roots pure white, and from 5 to 8 inches across at maturity. Excellent turnip for Texas, because it seems not to be affected by either heat or drouth.—**Pkt. 5c—Oz. 10c 1/4 Lb. 30c—Lb. 85c—5 Lbs. \$3.85—Postpaid.**

**Seven Top (For Turnip Greens)**—Grown almost entirely for the tops, which are used for greens. Very hardy, standing severe cold; growth usually continues throughout the winter. Root woody and seldom used. This variety produces splendid stock feed, similar to rape.—**Pkt. 5c Oz. 10c—1/4 Lb. 25c—Lb. 60c—5 Lbs. \$2.60—Postpaid.**



Mr. F. E. Dean, Manager of our Dallas wholesale store, with a Shogoin turnip produced in his own garden. Note heavy top which Mr. Dean reports as tender and flavorful for greens.

## Yellow Flesh Varieties

**Amber Globe**—Table size 60 days. Roots grow 5 to 6 inches in diameter; globular shape and the skin is clear, yellow, tinged with green at the top. Flesh yellowish-white, fine grained, sweet and tender. Extensively grown for stock, as well as for table.—**Pkt. 5c—Oz. 10c—1/4 Lb. 30c—Lb. 75c—5 Lbs. \$3.35—Postpaid.**

(See Rutabagas page 17)

# MAGNOLIA SQUASH

Squash flavors differ greatly—Plant several varieties

**CULTURE**—Plants are very tender and sensitive to cold and planting must be delayed until warm weather. The general principles of culture are the same as those given for cucumbers and melons, but plants are less particular as to soil. Summer varieties should be planted three to four feet apart each way and the winter sorts eight feet. Three plants

are sufficient for a hill. An ounce will sow 60 hills; 3 to 4 pounds per acre.

## SQUASH PEST CONTROL

Against Striped Cucumber Beetles and Squash Bugs, use Acme London Purple. Acme Rotenone Garden Guard or NNOR Garden Spray.

## Summer Varieties

**Early White Bush Scallop**—55 days. 6x2 1/2 inches. 2 1/4 lbs. Bush extremely prolific and disease resistant. Fruits creamy white, flesh firm and flavorful, flat with scalloped edges. Very popular.

**White Bush Scallop, Green Tinged** — 55 days 6x2 1/2 inches, 2 1/4 lbs. Similar in all respects to the Early White Bush, but fruit is tinged a light green, which appeals to the buying public.—**Prices above varieties—Pkt. 10c—Oz. 15c—1/4 Lb. 50c—Lb. \$1.45—5 Lbs. \$6.85—Postpaid.**

**Yellow Summer Crookneck**—50 days. 12x3 inches. 1 1/2 lbs. Rich golden yellow, with pale, firm, tender flesh. Moderately warted. Excellent eating quality. Bush exceedingly prolific. The most popular of the summer type.—**Pkt. 10c—Oz. 15c—1/4 Lb. 50c—Lb. \$1.45—5 Lbs. \$6.85—Postpaid.**

**Fordhook Vining**—60 days. 7 3/4x3 inches. 2 lbs. Vines hardy and prolific. Flesh thick and sweet. Uniform in shape. A summer variety adapted to winter use.—**Pkt. 10c—Oz. 15c—1/4 Lb. 55c—Lb. \$1.60—5 Lbs. \$7.60—Postpaid.**



Fordhook Squash

**Early Prolific**—55 days. 16x3 1/2 inches. 3 lbs. Flesh is thick, of light yellow color and good quality. Neck is straight and the variety is very satisfactory for shipping. Very prolific.—**Pkt. 10c—Oz. 15c—1/4 Lb. 50c—Lb. \$1.45—5 Lbs. \$6.85—Postpaid.**

**Table Queen (Acorn)**—58 days. 4 3/4x3 1/2 inches. 1 lb. Outside green, shaped much like an acorn. Ribbed and pointed at blossom end. Rind thin; flesh light orange; dry and of good texture and flavor.—**Pkt. 10c—Oz. 15c—1/4 Lb. 50c—Lb. \$1.45—5 Lbs. \$6.85—Postpaid.**

**Early Yellow Bush Scallop**—55 days, 6x2 1/2 inches. 2 lbs. Similar in all respects to Early White Bush except the color of the skin is a golden yellow.—**Pkt. 10c—Oz. 15c—1/4 Lb. 50c—Lb. \$1.45—5 Lbs. \$6.85—Postpaid.**

## Winter Varieties

**Hubbard Warted** — 115 days. 15x10 inches. 16 lbs. The largest of the green Hubbards, thickly covered with warts. An excellent keeper and the flesh is dry and sweet.—**Pkt. 10c—Oz. 25c—1/4 Lb. 80c—Lb. \$2.35—Postpaid.**



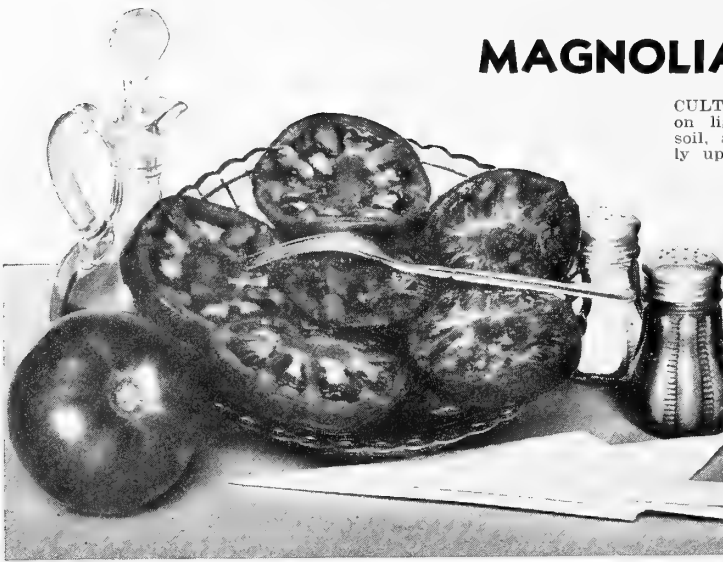
**Summer Squash** are usually eaten when young and immature. Winter squash are used only when fully matured, and can be stored. There are dozens of squash recipes. It is delicious stewed, baked, or fried.



Yellow Summer Crookneck



# MAGNOLIA Finest Strains TOMATO SEEDS



Dwarf Champion Tomato

## Early Vining Varieties

**Break O' Day**—Certified—65 days. Fruits are deep red, globe shaped, the size of Marglobe, but from 10 to 12 days earlier in maturity. Very productive, with few seeds.—**Pkt. 10c—Oz. 80c— $\frac{1}{4}$  Lb. \$2.70—Lb. \$8.10—Postpaid.**

**McGee**—72 days. Yields prolifically where others fail. Fruits large, solid with very few seeds, of fine flavor; a bright crimson color with a sprinkling of pink fruits among them. Nearly as early as Earliana. Has proved exceptionally good for the black land belt. A great favorite.—**Pkt. 10c—Oz. 80c— $\frac{1}{4}$  Lb. \$2.70—Lb. \$8.10—Postpaid.**

**Earliana**—66 days. One of the earliest varieties of tomatoes. Fruits are bright deep scarlet and somewhat flattish. Produced mostly in the center of the plant. Very productive and one of the most popular for market and home gardens.—**Pkt. 10c—Oz. 80c— $\frac{1}{4}$  Lb. \$2.70—Lb. \$8.10—Postpaid.**

**June Pink**—68 days. The best and earliest of the pink varieties. Sets fruit in clusters of from six to eight. Uniform fruit, smooth and solid. Excellent for shipping. Recommended for market gardening. Matures very early and continues bearing until frost.—**Pkt. 10c—Oz. 80c— $\frac{1}{4}$  Lb. \$2.70—Lb. \$8.10—Postpaid.**

**John Baer**—71 days. An extra early scarlet-fruited variety. Vines very hardy and exceptionally productive. Fruits largest of the extra early varieties, nearly round, smooth, firm and of excellent quality. Desirable for market gardeners, shippers and canners.—**Pkt. 10c—Oz. 55c— $\frac{1}{4}$  Lb. \$1.80—Lb. \$5.35—Postpaid.**

## Second Early Vining Varieties

**Rutgers Certified**—75 days. Especially popular with the canning industry. Produces a large plant with thick stems and an abundance of vigorous foliage. Requires much less nitrogen than most other varieties and should therefore be fertilized less in order to avoid rank growth and late fruit.

**CULTURE**—Tomatoes do best on light, warm, not over-rich soil, and success depends largely upon securing a rapid, vigorous and unchecked growth during the early part of the season. Sow in January and February in hotbeds for early crops. Set out the plants

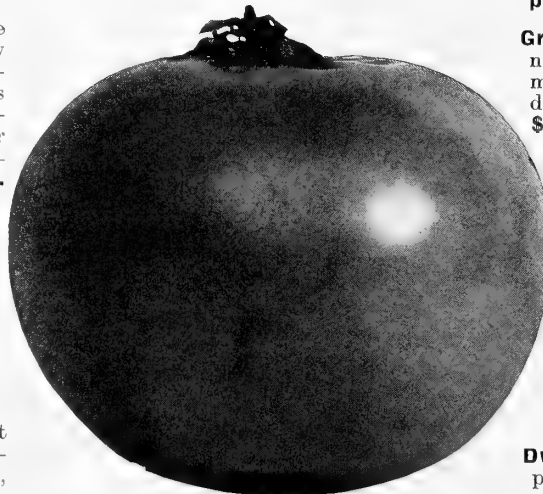
### PEST CONTROL

Against Cut Worms use Acme Bait-M; against Worms and Blight use Acme Tomato Dust.

### Second Early— (Continued)

Fruits are medium to large, similar in shape to Marglobe, except they are more

flattened at the stem. Average weight of fruit is 5.8 oz., very small seed cavities. Flesh firm and bright red, ripening from the center out. Pleasing flavor. Our stock is certified by the State of New Jersey and was grown in accordance with their certification requirements, insuring true variety.—**Pkt. 10c—Oz. 80c— $\frac{1}{4}$  Lb. \$2.70—Lb. \$8.10—Postpaid.**



Rutgers Certified

**Gulf State Market**—75 days. Grown extensively in East Texas for shipment to northern markets. Vines very hardy and fruits are true globe-shaped, free from cracks or blemishes around the blossom end. Ripen uniformly. The fruit colors a rich purplish-pink clear to the stem after picking.—**Pkt. 10c—Oz. 80c— $\frac{1}{4}$  Lb. \$2.70—Lb. \$8.10—Postpaid.**

**Marglobe Certified**—75 days. A definitely disease-resisting Tomato. Matures among the earliest of the later varieties. Fruits are a deep red, globe shape. A splendid shipping variety because of its uniformity. Our stock has been certified by the State of New Jersey to be absolutely true to variety.

as soon as danger from frost is over, after hardening off the plants by gradually exposing them to the night air and by the withdrawal of water until the wood becomes hard, and the leaves thick and of a dark green color. Transplant carefully and cultivate well as long as the vines will permit. If to be grown without training, plants are usually set out from three to four feet apart each way, according to the growth of the variety. Magnolia tomato seeds are from the finest strains grown, and we invite comparison with any on the market. An ounce will produce 3,000 plants;  $1\frac{1}{2}$  ounces will produce sufficient plants to set out an acre. Number of days indicates from time set out to maturity of first fruit.

## SECOND EARLY VINING VARIETIES—(Continued)

It pays you to get really good tomato seed and there is none better than those certified under State Laws.—**Pkt. 10c—Oz. 80c— $\frac{1}{4}$  Lb. \$2.65—Lb. \$8.10—Postpaid.**

## Main Crop Vining

**Pritchard**—Certified 85 days. A second early, scarlet fruit variety. Fruits medium size and smooth. Solid, having 4 to 5 seed cells. Sets in clusters of four to five. Vine short jointed and low growth with heavy foliage.—**Pkt. 10c—Oz. 80c— $\frac{1}{4}$  Lb. \$2.65—Lb. \$8.10—Postpaid.**

**Greater Baltimore**—83 days. A good canner. Fruits medium to large, solid meaty, rich bright red color. Very productive.—**Pkt. 10c—Oz. 55c— $\frac{1}{4}$  Lb. \$1.85—Lb. \$5.35—Postpaid.**

**Stone**—85 days. One of the old favorite late or main crop tomatoes. Fruits large, smooth and with a deep scarlet skin. This is a standard variety, with truckers and canners who know they can depend upon it for a large crop of attractive and heavy fruits.—**Pkt. 10c—Oz. 55c— $\frac{1}{4}$  Lb. \$1.85—Lb. \$5.35—Postpaid.**

## Tree Varieties

**Dwarf Champion**—78 days. A second early purplish-pink variety, especially desirable where garden space is limited. Tree type, growing about two feet high, vigorous, upright and compact. Fruits medium to small in size. One of the best of the small tree varieties.—**Pkt. 10c—Oz. \$1.00— $\frac{1}{4}$  Lb. \$3.35—Postpaid.**



John Baer Tomato



# MAGNOLIA TOMATO SEEDS ARE GROWN BY ▼

## Large Fruited Varieties

**Oxheart**—88 days. A fine flavored tomato of most unusual size and shape. Fruits often weigh two to three pounds each, shaped like an oxheart, brilliant scarlet in color with a very smooth skin. Very few seed cells.—**Pkt. 10c—Oz. \$1.80—¼ Lb. \$6.00—Lb. \$18.00—Postpaid.**

**Red Ponderosa**—85 days. A large deep pink. Vines vigorous and very productive. Fruits solid with exceptionally few seeds, fairly smooth and larger than other varieties except Oxheart. Good for slicing and well flavored.—**Pkt. 10c—Oz. \$1.00—¼ Lb. \$3.40—Lb. \$10.00—Postpaid.**

## Small Fruited Varieties

**Red Cherry**—70 days. A miniature tomato chiefly grown in the home garden for use in preserves. Mature to a uniformly round shape and even size. Fruit scarlet red, tough skin and firm, mild flesh. About size of cherry.—**Pkt. 10c—Oz. \$1.00—¼ Lb. \$3.40—Lb. \$10.00—Postpaid.**

**Yellow Pear**—70 days. This pear-like small fruit is extensively used for preserves in various ways. A rich, clear yellow, well flavored.—**Pkt. 10c—Oz. \$1.00—¼ Lb. \$3.40—Lb. \$10.00—Postpaid.**



Break O' Day Tomatoes

*Breeders and  
Growers of*

**FINEST  
TOMATO  
SEED**

## *Plant and CARE FOR Good Seed*

You can get better yields from your tomato seed and tomato plants, by following some of these simple rules:

- 1—Keep tomato fields well drained.
- 2—Start with healthy plants or the best seeds you can buy.
- 3—Keep weeds out by cultivation.
- 4—Control insects by proper spraying.
- 5—Set plants early enough.
- 6—Use fertilizer as directed.
- 7—Do not hoe too deeply around plant roots.
- 8—Pick fruits as they ripen.

## MISCELLANEOUS VEGETABLES

### RUTABAGAS

**A Tasty, Nutritious Table Vegetable. A Profitable Crop grown for Livestock Feeding**

**CULTURE**—Rutabagas require a longer growing season than turnips. Seed may be sown at the same time you plant turnips, in rows 2½ to 3 feet apart. Culture is practically the same as for turnips except the plants should be thinned to 8 to 10 inches apart.

#### FOR PEST CONTROL

See Turnips—Page 15

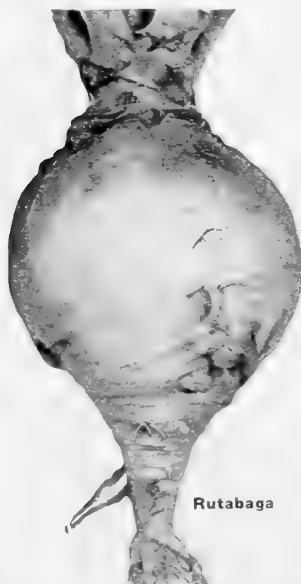
**American Purple Top or Improved Long Island**—80 days. Small top. Roots are short necked, globe shaped and grow to a large size. Excellent for both table use and stock feeding. Keeps well.—**Pkt. 5c—Oz. 10c—¼ Lb. 30c—Lb. 85c—Postpaid.**

SEE  
PAGE 15  
FOR  
TURNIPS

#### SEEDS KEPT IN GOOD CONDITION

Every possible care is taken of Magnolia seeds, from the time they are received from our growers, until you purchase them. We buy our seeds from specialty growers, who keep their strains pure. Then germination is kept in sound condition through temperature control, and when necessary, cold storage.

Seeds are kept free from insect and weevil damage, through regular gassing programs. . . . Get **quality** in your seeds, for greater profits . . . It is important to buy them where quality is strictly maintained.



Rutabaga



Endive

### ENDIVE

**Vitamin-Full for Garnishes and Salads**

**CULTURE**—For late spring and summer use, sow seed in open ground during early spring. For fall use, sow September to November. Requires about 100 days to mature a crop. Plant an ounce to 100 feet; 2 lbs. per acre.

**Large Green Curled**—Very hardy, vigorous-growing variety, with bright deep green leaves; highly esteemed for the market and home garden, and much used for salads. Very good winter crop. 60 days.—**Pkt. 5c—Oz. 20c—¼ Lb. 60c—Lb. \$1.75—Postpaid.**



# MAGNOLIA WATERMELON SEEDS

**Noted for Luscious Fruits and Abundant Yields**

**CULTURE**—Seed should be planted in hills, about 10 or 12 seeds to the hill, 6 to 8 feet apart. Fertilize soil with Vigoro or well rotted manure and plant seeds when ground is warm and dry, young watermelon plants are very sensitive to cold and wet. After plants have formed the first rough leaves, thin to 2 or 3 of the hardest to each hill. Water frequently with liquid manure to hasten growth and diminish danger from insect pests. Cultivate until plants cover the ground. Use 1 to 2 pounds of seed to acre.

## WATERMELON PEST CONTROL

Against Striped Cucumber Beetles and Aphids use Acme Vegetable and Flower Garden Spray, NNOR Garden Spray and Acme Rotenone Garden Guard.

## Long Varieties

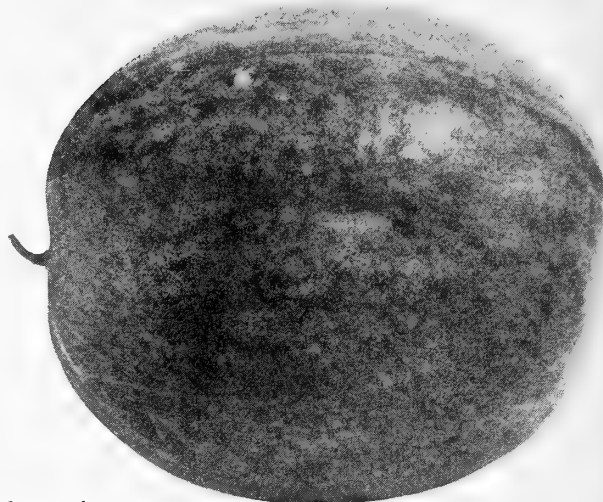
**Magnolia Certified Tom Watson**—92 days. 50 lbs. Delightful flavor. Very hardy and prolific. Flesh deep red, free from white hearts and stringless. Melon oblong; rind dark green. Seeds light brown. Very popular with market growers. Good shipper.—**Pkt. 10c—Oz. 25c—1/4 Lb. 90c—Lb. \$2.60—Postpaid.**

**Cletex (also known as Spotted Watson)**—90 days. 30 lbs. Good shipper. Vigorous vines, good producer. Flesh red and sweet. Melon similar in shape to Watsons. Rind mottled green. Very tough. Seeds brown smeared.—**Pkt. 10c—Oz. 40c—1/4 Lb. \$1.30—Lb. \$3.85—Postpaid.**

**Halbert Honey**—87 days. 32 lbs. Fine quality. Vines hardy and prolific. Flesh crimson red, coloring close to rind, entirely free from stringiness. Melon long, cylindrical. Rind deep green and thin. For home and nearby markets. Second only to Kleckley Sweet in popularity.—**Pkt. 10c—Oz. 15c—1/4 Lb. 55c—Lb. \$1.60—Postpaid.**

**Kleckley Sweet (Georgia Sweet)**—88 days. 40 lbs. Exceptionally sweet. Vines vigorous and productive. Flesh very bright rich red, fine flavored melon, medium to large oblong, tapering slightly toward stem end. Rind, dark bluish green. Fine for home and nearby markets but a poor shipper.—**Pkt. 10c—Oz. 15c—1/4 Lb. 55c—Lb. \$1.60—Postpaid.**

**Irish Grey**—90 days. 35 lbs. Deliciously flavored. Vines vigorous and productive. Flesh very bright red, sweet, and free from stringiness. Melon long and large. Rind light green color. Good shipper.—**Pkt. 10c—Oz. 15c—1/4 Lb. 55c—Lb. \$1.60—Postpaid.**



**Black Diamond**

**Wonder Melon**—85 days. 30 lbs. Vines vigorous and prolific. Flesh rich, red, well flavored to rind. Melon large and long, resembling Tom Watson, though thicker. Rind, dark solid green. Good shipper.—**Pkt. 10c—Oz. 15c—1/4 Lb. 55c—Lb. \$1.60—Postpaid.**

**Georgia Rattlesnake**—92 days. 30 lbs. Tender and sweet. Vines hardy and productive. Flesh scarlet. Melon long, cylindrical. Rind light green, with lighter mottled stripe. Very fine shipper.—**Pkt. 10c—Oz. 15c—1/4 Lb. 55c—Lb. \$1.60—Postpaid.**

**Golden Honey**—Yellow flesh. 90 days. 25 lbs. Vines hardy and productive. Flesh, delightful spotted golden, most delicious taste. Melon oblong in shape. Rind dark green with irregular stripes of darker green. The best of the yellow fleshed melons and grows increasingly popular with our trade.—**Pkt. 10c—Oz. 15c—1/4 Lb. 55c—Lb. \$1.60—Postpaid.**

## Round Varieties

**Black Diamond or Florida Giant**—95 days. 40 lbs. Fine quality. Vines strong and fairly prolific. Flesh deep red, good texture and quite sweet. Melon large round. Rind rich dark green. Seed rather large and black. Good for local market and home, and ships well, a great favorite.—**Pkt. 10c—Oz. 40c—1/4 Lb. \$1.30—Lb. \$3.85—Postpaid.**

**Stone Mountain**—True Strain. 85 days. 40 lbs. One of the best in quality. Flesh rich red, of fine texture, tender, sweet, and luscious. Vines vigorous, fairly prolific. Melon round, slightly elongated, some melons slightly lobed. Rind, light green indistinctly veined with darker green in a fine mesh design. Stands shipping if handled with care.—**Pkt. 10c—Oz. 15c—1/4 Lb. 55c—Lb. \$1.60—Postpaid.**

**Dixie Queen**—85 days. 32 lbs. Sweetness and flavor unsurpassed. Vines robust and prolific. Flesh, brilliant scarlet, ripening to within one-half inch of rind; fine texture free from stringiness. Melon round; rind, alternating stripes of very light, ivory green and dark green. Seeds small, white and very few to melon.—**Pkt. 10c—Oz. 40c—1/4 Lb. \$1.30—Lb. \$3.85—Postpaid.**



**GOES INTO Taylor BRED SEEDS**

## TAYLOR QUALITY WATERMELON SEEDS—

Are pure-bred and the LIFE-TIME specialty of one family.

We selected them to sell, because Taylor-bred seeds deliver to watermelon growers more in size, taste and production.

Seeds have been grown, improved, cleaned and packed with the one ideal behind every process—highest attainable quality.

# VEGETABLES NEEDED FOR ONE PERSON— FOR ONE YEAR—

Vegetables	Serving per week per person	Amount needed per person for 52 weeks		
		Fresh	Stored	Canned
Beet greens Broccoli Chard or Kale Dandelion greens Spinach	2	18 lbs.		9 qts.
Cucumbers Radishes		(Likes—not needs)		
Cabbage Celery Chinese Cabbage Endive Lettuce	4	4 lbs.	40 lbs.	
Tomatoes	$\frac{3}{4}$ for adults 7 for children	8 lbs. 16 lbs.		22 qts. 38 qts.
Asparagus Carrots Corn Green Peas Onions Snap Beans	5	3 lbs. 2½ doz. 6 lbs.	22 lbs.	6 qts. 6 qts.
Beets Cauliflower Kohl-rabi Parsnips Rutabagas or turnips Salsify Squash (winter) (summer)	3	8 lbs.	1½ bu.	
Potatoes	7	25 lbs.	4 bu.	

**Eat something from each Group every day!**



## Daily Requirements OF VITAMINS CALORIES-MINERALS

### CALORIES

Daily requirement in calories.  
PER POUND OF IDEAL WEIGHT:

Infants	Children	Adults
45	20-30	20—physical work 15—sedentary 8-12—reducing

Example: If weight should be 130, and you do physical work, multiply 130x20—giving a daily calorie requirement of 2,600.

### VITAMIN A

Daily requirement in units, per pound of ideal weight:

Infants	Children	Adults
300	200	150

Example: If ideal weight is 130, multiply 130x150—giving a daily Vitamin A requirement of 19,500 units.

### VITAMIN B1

Daily requirement of Vitamin B1 (Thiamin) in gammas, per pound of ideal weight:

Infants	Children	Adults
50	40	35

Example: If ideal weight is 130, multiply 130x35—giving a daily requirement of Vitamin B1 of 1950 gammas.

### VITAMIN B2 (Riboflavin)

Daily requirement, of Vitamin B2 (Riboflavin) in gammas, PER PERSON, per day:

Infants	Children	Adults
2,000	3,000-4,000	4,000-5,000

### VITAMIN C (Ascorbic Acid)

Daily requirements in Milligrams per pound of ideal weight:

Infants	Children	Adults
5	3	2

Example: If your weight should be 130 multiply 130x2—giving you a daily Vitamin C requirement of 260 Milligrams.

### PROTEIN

Suggested daily requirement in Grams, per person:

Infants	Children	Adults
1.5 to 2 Grams per pound	1 to 9 yrs. 40-70 Grams 13 to 20 yrs. 75-100 Grams	70-80 Grams

Example: An infant weighing 15 pounds needs 2x15 or 30 grams of Protein daily. Children and adults as outlined.

### PHOSPHORUS

Suggested daily requirements in Milligrams, PER PERSON:

Infants	Children	Adults
930	1,000 to 1,500	1,500

(For Phosphorus Content, See Alphabetical Chart)

### CALCIUM

Suggested daily requirements, in Milligrams, PER PERSON:

Infants	Children	Adults
1,000	1,000	1,000

(For Calcium Content, See Alphabetical Chart)

### IRON

Daily requirements in Milligrams, PER PERSON:

Infants	Children	Adults
12	20	20-25

## — AND WHAT THEY DO FOR YOU —

### Science Says

**PROTEIN**—Important for growth and maintenance of life. Foods containing a high content of protein are milk, eggs, cheese, meats, fish, nuts, soybeans, etc.

**CALCIUM**—Important to health of bones and teeth and aiding cells of the body to function properly. Milk, buttermilk and cheese are chief sources.

Stores in bones, if excess is taken. Some authorities do not agree that adults require as much calcium as infants and children.

**PHOSPHORUS** — Gives rigidity to

bones and teeth, works with calcium in growth and maintenance of body cells.

Is stored in bones or thrown off by kidneys, if excess is taken. Eggs, meats, fish, fowl, wholegrain breads, cereals, milk and buttermilk chief sources.

**IRON**—Enters into composition of red corpuscles and helps to carry oxygen to cells of the body.

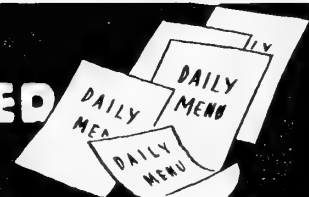
Sources well utilized are: liver, kidney, heart, lean meats, black strap molasses, egg yolk, dried fruits, and cereals.

**See Next Page for Complete Charts→**



# Vitamins

## WHICH DO YOU NEED MOST?



**CALORIES**—Measurements of heat or energy-producing value of foods. Approximately, each 4,000 calories eaten in excess over bodily needs becomes 1 pound of fat.

Calorie intake must vary with: body weight, age, sex, growth, exercise or work, and temperature.

**VITAMIN A**—Helps to strengthen vision; protects against colds and other infections; builds up organs throughout the body.

Being soluble in fat, Vitamin A is stored by the body, if excess is taken. It is destroyed in foods by long cooking.

**VITAMIN B1—(Thiamin). See Vitamin B2**

**VITAMIN B2—(Riboflavin)**—The nerve, "morale" and pep vitamins; very important for normal growth, reproduction, lactation and utilization of energy foods.

Being soluble in water, they do not store up in

the body, and must be replenished daily. Partially lost in cooking, if liquids thrown away.

**VITAMIN C—(Ascorbic Acid)**—Prevents scurvy, bleeding gums, slow healing of infections, tendency to bruise easily; important in health of teeth, bones, and general resistance.

Vitamin C is not stored up in the body, and must be replenished daily. It is easily destroyed in storing, cooking and soaking foods in water.

## HERE'S WHAT SCIENCE SAYS VEGETABLES CONTAIN

VEGETABLE	Measure	Calories	A	B1	B2	C	Iron	Protein	Calcium	Phosphorus
	Individual Serving		Units	(Thiamin) Gammas	(Riboflavin) Milligrams	(Ascorbic Acid) Milligrams	Milligrams	Grams	Milligrams	Milligrams
Artichoke.....	1 Medium	32	200	75	15	10	.4	1	20	47
Asparagus (Bleached).....	8 Stalks	20	0	150	65	12	1.	2	21	40
Asparagus (Green).....	7 Stalks	20	1,100	360	65	20	1.	2	21	40
Beans, Lima, dry.....	½ Cup	129	0	300	250	0	2.9	8	72	386
Beans, Lima, green.....	½ Cup	116	900	225	250	42	.9	7	21	130
Beans, green, cooked.....	¾ Cup	43	950	60	100	8	1.1	2	55	50
Beets, cooked.....	½ Cup	40	50	41	37	8	2.8	2	28	42
Beet, greens, cooked.....	½ Cup	28	22,000	100	500	50	3.2	2	84	40
Broccoli, flower.....	¾ Cup	35	6,000	120	350	65	1.3	2	64	105
Broccoli, leaf.....	¾ Cup	35	30,000	120	687	90	2.3	3	262	67
Broccoli, stem.....	¾ Cup	35	2,000	0	187	0	1.1	2	83	35
Brussels Sprouts.....	¾ Cup	55	400	180	90	130	2.1	4	27	121
Cabbage, inside, raw.....	1 Cup	28	0	78	75	50	.2	2	46	34
Cabbage, Chinese, raw.....	1 Cup	30	5,000	36	462	50	2.5	2	400	72
Cabbage, green, raw.....	1 Cup	28	160	90	150	50	2.8	2	429	72
Cantaloupe (See Melon).....										
Carrots, raw.....	½ Cup	30	4,500	70	75	5	.6	1	45	41
Cauliflower.....	¾ Cup	25	10	85	90	75	.9	2	122	60
Celery, bleached.....	4 Stalks	19	20	30	15	5	.5	1	78	46
Celery, green.....	4 Stalks	19	640	30	45	7	.8	1	98	46
Chard, leaves, cooked.....	½ Cup	25	15,000	450	165	37	3.1	2	150	50
Collards, cooked.....	½ Cup	41	6,300	130	70	3.4	3	207	75	75
Corn, canned, yellow.....	½ Cup	120	900	130	120	4	.4	4	6	103
Corn, on cob, yellow.....	1 Medium	90	860	209	55	8	.4	3	8	103
Cucumbers.....	1 Medium	15	35	60	54	12	.3	1	10	21
Egg Plant.....	½ Cup	15	70	42	36	10	.5	1	11	31
Endive.....	10 Stalks	8	15,000	58	72	20	1.2	1	104	39
Kale, cooked.....	½ Cup	45	20,000	189	570	96	2.5	4	195	67
Kohl Rabi.....	½ Cup	32	0	30	120	50	.7	2	195	60
Lettuce, green.....	10 Leaves	10	2,000	75	150	7	1.5	1	49	28
Lettuce, white.....	¼ Head	10	125	51	62	5	.5	1	17	40
Melon, Cantaloupe.....	½ Small	44	900	90	100	50	.5	1	32	30
Melon, Honey Dew.....	¼ Medium	35	100	0	0	90	.0	0	0	0
Melon, Watermelon.....	Med. Slice	90	450	180	84	22	.6	0	33	9
Mustard Greens, cooked.....	½ Cup	25	11,000	138	450	125	9.1	2	291	84
Okra.....	½ Cup	24	440	126	0	17	2.1	2	72	62
Onions, dry.....	2 Small	45	0	42	125	2	.3	1	41	47
Onions, fresh.....	4 Medium	42	60	42	125	7	.4	1	41	47
Parsley.....	½ Cup	24	8,000	57	0	70	9.6	20	23	15
Parsnips.....	½ Cup	65	100	120	0	40	1.7	2	60	76
Peanuts.....	18 Nuts	110	70	225	110	0	.4	5	15	73
Peas, dried, cooked.....	½ Cup	173	520	142	162	0	2.8	12	17	80
Peas, fresh, cooked.....	½ Cup	100	1,500	390	250	20	2.0	7	28	127
Peppers, green.....	1 Medium	25	700	25	25	125	.4	1	12	28
Peppers, pimiento.....	2 Medium	23	500	0	0	200	.4	1	6	26
Pie Plant (See Rhubarb).....										
Potatoes, sweet.....	1 Medium	130	3,600	155	150	25	.9	3	19	45
Potatoes, white, baked.....	1 Medium	92	0	200	75	20	1.5	3	13	53
Potatoes, white, raw.....	1 Medium	90	0	220	75	33	1.5	3	13	53
Potatoes, yam.....	1 Medium	150	5,000	180	360	6	1.1	2	44	50
Pumpkin.....	½ Cup	27	2,500	56	57	8	.9	1	23	50
Radishes.....	15 Large	22	0	30	54	25	.9	1	21	29
Rhubarb.....	½ Cup	20	650	24	24	12	.5	1	48	18
Rutabagas.....	¾ Cup	36	25	75	120	26	.7	1	74	56
Salsify (Oyster Plant).....	2 Roots	78	0	0	0	7	1.2	3	60	53
Soybeans, dry, cooked.....	½ Cup	108	10	525	300	0	4.0	20	104	300
Spinach, cooked.....	½ Cup	25	11,000	90	312	30	2.5	2	78	46
Squash, Hubbard, cooked.....	½ Cup	46	4,000	50	75	3	.5	1	19	15
Squash, summer, cooked.....	½ Cup	15	1,000	40	50	3	.3	1	18	15
Tomatoes, canned.....	½ Cup	25	1,000	75	50	20	.5	1	10	29
Tomatoes, fresh.....	1 Medium	20	1,500	110	50	25	.4	1	11	29
Tomato Juice, canned.....	8 Ozs.	48	3,700	195	125	48	1.0	2	21	38
Turnips, cooked.....	½ Cup	33	0	62	62	22	.5	1	56	47
Turnips, raw.....	1 Medium	33	0	65	62	30	.6	1	56	47
Turnip Greens, cooked.....	½ Cup	28	11,000	60	450	130	3.4	2	347	49

### WEIGHTS

1 Gamma (or Microgram)—1-Millionth of gram  
 1,000 Gammas —1 Milligram  
 1,000 Milligrams —1 Gram  
 28.35 Grams —1 ounce  
 1 Milligram Vitamin B —333 Units  
 1 Milligram Vitamin C —20 Units

### EQUIVALENT MEASURES

3 teaspoons —1 tablespoon  
 16 tablespoons —1 Standard cup  
 8 ounces —1 cup  
 32 ounces —1 quart





# Flower Planting Guide

## FOR MAGNOLIA FLOWER SEEDS



### GETTING READY

**Soil**—Most plants like rich, sandy loam, but other types of soil will also produce very satisfactory flowers. However, heavy soils need applications of fibrous materials and must be thoroughly broken and cultivated. Peat Moss is especially good for heavy soils. Sandy soils usually need fertilizers.

**Preparation**—One of the most important factors in gardening. Work soil deeply and make the top three or four inches as fine and loose as possible. If soil needs fertilizers, and most soils do, we recommend **Vigoro**, a perfectly balanced chemical fertilizer, easy to apply, clean and practical. Directions for its use come with each package.

### CAREFUL PLANTING

**Planting**—How you plant is very important or the result may be weak plants which soon die, or fail to produce as desired. Many small seeds can have only the smallest amount of soil above them; larger varieties may be planted one or more inches below the soil. Be sure, also, to plant when heat and moisture conditions are correct. A study of the seed is necessary to determine that. Moisture should be within your control—especially for flowers. To retain moisture after planting, cover the seed immediately with fine, freshly prepared earth pressed down firmly and smoothly.

### AFTER CARE

**Cultivation**—Stir the surface soil after flowers are up and growing, since it encourages root development, allows air to enter and by forming a mulch preserves moisture and kills weeds. Cultivation may be deep at first, but as plants grow, it should be shallower, or it might injure the root system.

**CULTURE**—Our flower seeds are put up in lithographed packets, with full cultural directions on the back of each packet. Study these instructions carefully for best results and more beautiful flowers.

Seed	Type of Plant	Sun or Shade	Where to Plant	When to Plant	Average Height	Special Use
Ageratum	Hardy Annual	Sun	Borders, Beds	Spring	12 inches	Edging
Alyssum	Hardy Annual	Sun	Borders, Basket, Boxes	Spring	6 inches	Edging, Rock Garden, Fragrance
Amaranthus	Hardy Annual	Sun	Beds, Backgrounds	Spring	3 feet	Foliage plant
Asters	Hardy Annual	Either	Beds	Spring	20 inches	Cut Flowers
Bachelor Button	Hardy Annual	Either	Mass Beds	Fall, Spring	2 feet	Cut Flowers, Fragrance
Balsam	Hardy Annual	Sun	Beds	Spring	18 inches	Mass Beds
Blue Lace Flower	Hardy Annual	Shade	Mass Beds	Spring	2 1/2 feet	Cut Flowers
Calendula	Hardy Annual	Sun	Beds	Fall, Spring	18 inches	Cut Flowers
Calliopsis	Hardy Annual	Sun	Background	Spring	3 feet	Cut Flowers
Candytuft	Hardy Annual	Sun	Borders, Beds	Fall, Spring	1 foot	Cut Flowers, Fragrance
Canterbury Bells	Hardy Biennial	Semi-Shade	Beds	Fall	2 feet	Mass Beds
Cardinal Climber	Hardy Annual	Either	Beds	Spring	Vine	Vine
Carnation	Half-Hardy Annual	Sun	Beds	Fall, Spring	18 inches	Cut Flowers, Fragrance
Castor Beans	Hardy Annual	Sun	Background	Spring	4 feet	Foliage plant
Chinese Woolflower	Hardy Annual	Sun	Beds	Spring	2 feet	Mass Beds
Chrysanthemum	Hardy Annual	Sun	Beds	Fall, Spring	2 feet	Cut Flowers
Clarkia	Hardy Annual	Semi-Shade	Beds	Spring	2 feet	Cut Flowers
Cockscomb	Hardy Annual	Sun	Beds, Borders, Backgr'ds	Spring	1 to 2 1/2 feet	Foliage plant
Coleus	Tender Annual	Semi-Shade	Border, Basket, Boxes	Spring	12 inches	Foliage Plant
Columbine	Hardy Perennial	Semi-Shade	Beds	Fall	2 feet	Early Flowers
Coreopsis	Hardy Perennial	Sun	Background, Borders	Fall, Spring	2 1/2 feet	Cut Flowers
Corn Flower	Hardy Annual	Either	Mass Beds	Fall, Spring	3 feet	Cut Flowers, Fragrance
Cosmos	Hardy Annual	Sun	Background	Spring	4 feet	Cut Flowers
Cynoglossum	Hardy Annual	Sun	Beds, Borders	Spring	18 inches	Mass Bed, Cut Flowers
Cypress	Hardy Annual	Either	Beds	Spring	Vine	Vine
Dahlia	Perennial	Either	Beds, Backgrounds	Fall, Spring	2-3 feet	Cut Flowers
Daisy, Shasta	Hardy Perennial	Either	Borders, Beds	Fall, Spring	3 feet	Cut Flowers
Daisy, African and Painted	Hardy Annual	Either	Beds, Borders	Spring	15-20 inches	Cut Flowers
Delphinium	Hardy Perennial	Either	Beds, Backgrounds	Fall, Spring	4 feet	Cut Flowers
Eschscholtzia (See Poppy)						
Forget-Me-Not	Half-Hardy Perennial	Either	Borders, Beds	Fall, Spring	8 inches	Border Plant
Four O'clock	Hardy Annual	Sun	Beds, Borders	Spring	2 feet	Foliage plant
Geranium	Tender Perennial	Sun	Boxes, Basket	Spring	2 feet	Cut Flowers
Globe Amaranth	Hardy Annual	Sun	Borders, Beds	Spring	18 inches	Cut Flowers, Dried Flowers
Godetia	Hardy Annual	Semi-Shade	Beds	Spring	2 1/2 feet	Cut Flowers
Gourds	Hardy Annual	Sun	Beds	Spring	Vine	Vine
Gypsophila	Hardy Annual	Sun	Beds	Spring	2 feet	Cut Flowers, Dried Flowers
Helianthus (Sun Flower)	Hardy Annual	Sun	Backgrounds	Spring	4 feet	Background, Foliage
Hibiscus	Hardy Perennial	Sun	Background and Foliage	Spring	4 feet	Background and Foliage
Hollyhock	Hardy Perennial	Either	Background	Fall, Spring	5 feet	Background and Foliage
Jack Beans	Hardy Annual	Either	Beds	Spring	Vine	Vine
Kudzu Vine	Hardy Annual	Either	Beds	Spring	Vine	Vine
Lantana	Tender Perennial	Sun	Beds	Spring	2 feet	Mass Beds
Larkspur	Hardy Annual	Sun	Beds, Backgrounds	Fall, Spring	3-3 1/2 feet	Cut Flowers
Marigold	Hardy Annual	Sun	Borders, Beds	Spring	2-3 feet	Cut Flowers
Mexican Fire Bush	Hardy Annual	Sun	Background	Spring	2 1/2 feet	Hedge
Mignonette	Hardy Annual	Either	Beds, Borders	Spring	12 inches	Cut Flowers, Fragrance
Moonflower	Hardy Annual	Sun	Beds	Spring	Vine	Vine
Morning Glory	Hardy Annual	Sun	Beds	Spring	Vine	Vine
Nasturtium	Hardy Annual	Sun	Edgings, Boxes, Baskets	Spring	10 to 15 inches	Cut Flowers, Fragrance
Nierembergia	Half-Hardy Annual	Either	Beds, Borders	Spring, Indoor	6 inches	Pots, Boxes, Beds, Borders
Pansy	Biennial	Semi-Shade	Borders, Boxes, Baskets	Fall, Spring	8 inches	Cut Flowers, Edging
Petiwinkle	Hardy Annual	Sun	Borders, Mass Beds	Spring	2 feet	Foliage and Bedding
Petunia	Hardy Annual	Either	Borders, Boxes, Beds	Spring	1-1 1/2 feet	Cut Flowers, Fragrance
Phlox	Hardy Annual	Sun	Borders, Edgings, Beds	Spring	12 inches	Cut Flowers, Mass Beds
Pinks	Hardy Annual	Sun	Borders, Edgings, Beds	Fall, Spring	12 inches	Cut Flowers
Poppy	Hardy Annual	Sun	Beds, Backgrounds	Fall, Spring	1 to 3 feet	Early Flowers
Portulaca	Hardy Annual	Sun	Edging, Mass Beds	Spring	6 inches	Borders and Rock Gardens
Queen Anne's Lace Flower	Hardy Annual	Sun	Borders, Beds	Spring	2 feet	Cut Flowers
Queen's Wreath (Seed or root)	Hardy Annual	Sun	Beds	Fall, Spring	Vine	Cut Flowers
Salpiglossis	Hardy Annual	Sun	Beds, Borders	Spring	2 1/2 feet	Cut Flowers
Salvia	Tender Perennial	Sun	Beds, Borders	Spring	2 feet	Cut Flowers
Scabiosa	Hardy Annual	Sun	Beds	Spring	2 1/2-3 feet	Cut Flowers, Fragrance
Scarlet Runner Beans	Hardy Annual	Sun	Beds	Spring	Vine	Vine, Fragrance
Snapdragon	Hardy Annual	Either	Beds, Borders	Fall, Spring	2 feet	Cut Flowers
Statice	Hardy Annual	Sun	Beds	Spring	2 feet	Cut Flowers
Stocks	Hardy Annual	Either	Beds, Edging, Pots	Fall, Spring	12 to 20 inches	Cut Flowers, Fragrance
Sweet Pea	Annual or Perennial	Sun	Beds	Fall, Spring	Vine	Cut Flowers, Fragrance
Sweet William	Biennial	Semi-Shade	Borders, Beds	Fall, Spring	18 inches	Cut Flowers, Fragrance
Texas Blue Bonnet	Hardy Annual	Sun	Borders, Beds	Fall, Spring	15 inches	Cut Flowers
Thitonia	Hardy Annual	Either	Background	Spring	7 feet	Cut Flowers
Verbena	Hardy Annual	Sun	Beds, Borders	Spring	8 inches	Cut Flowers, Edging
Vinca	Hardy Annual	Sun	Beds, Borders	Spring	2 feet	Foliage, Cut Flowers
Zinnia	Hardy Annual	Sun	Beds, Borders	Spring	1-3 feet	Cut Flowers

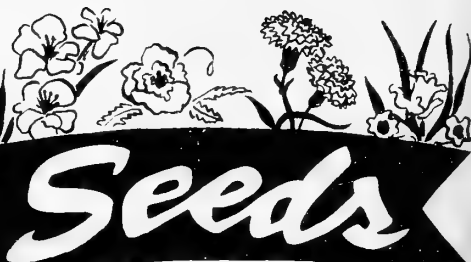
Culture Instructions  
on Each Packet —

**MAGNOLIA SEEDS ARE GOOD SEEDS**

Plant Carefully,  
Feed and Water!

# Magnolia

## FLOWERS



# Seeds

★ Star Means they are Exceptionally fine ● (See Page 21 for Planting Data. Cultural Instructions on Seed Packets.)

## FLOWERING VINES AND CLIMBERS

**CARDINAL CLIMBER** — Dainty annual climber for warm, sunny locations. Foliage fern-like; flowers cardinal-red. Blooms abundantly until frost. **Pkt. 15c.**

**CYPRESS VINE** (Illustrated)—Soft, deep green fern-like foliage. Flowers trumpet-like with star shaped rims. **Pkt. 15c.**

**GOURDS** (Illustrated)—Fruits are frequently painted and varnished for house ornaments.

Mixed, Large Fruited. **Pkt. 10c.**

Mixed, Small Fruited. **Pkt. 10c.**

**JACK BEAN (HYACINTH BEAN)** — Quick growing climber producing heart-shaped leaves and numerous spikes of pea-like flowers and ornamental seed pods. **PURPLE, WHITE or MIXED. Pkt. 10c.**

**MOON FLOWER**—Very vigorous climber. Flowers often four inches across and the leaves make excellent shade. Flowers open each evening and remain until morning.

**NOCTIFLORA, White—Pkt. 10c.**

**BONA NOX,** Blue with purple throat. **Pkt. 10c.**

**MORNING GLORY**—Showy climber. Brilliant morning blooms.

**CORNELL**—Gorgeous red, with white throat. — **Pkt. 25c.**

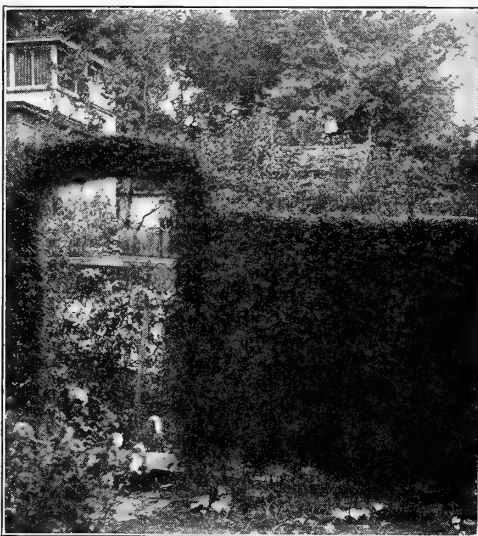
★**HEAVENLY BLUE**—A lovely deep blue, cream throat. **Pkt. 10c.**

★**SCARLET O'HARA**—The new brilliant dark wine red. **Pkt. 10c.**

★**PEARLY GATES** — Large white flowers, blending to cream, deep in the throat. **Pkt. 10c. MIXED—10c.**

★**QUEEN'S WREATH (MEXICAN LOVE VINE)**—Also known as Mountain rose, Coral Bell or Coral Vine. Its long racemes of rose-pink flowers are very lovely and the foliage, while not especially heavy, is attractive. **Pkt. 10c.**

**SCARLET RUNNER BEAN** — Rapid climber. Bears large sprays of bright sweet pea-like flowers. Dry beans are bright scarlet spotted with purple. **Pkt. 10c.**



Cypress Vine

**SWEET PEAS (EARLY SPENCERS)**—(Illustrated). For Christmas blooming, plant Early Spencers in July and August. In south Texas especially these early flowering Spencers are very popular.

**MARINER, Blue; BALL'S ROSE; or MIXED. Pkt. 10c—Oz. 70c.**

**SWEET PEAS (LATE SPENCERS)** — Plant about November in a trench 18 inches deep, covering seed about one inch. Then add an inch of soil as the tops come through. This will develop a deep root which will carry the plants through into the late summer. Their fragrant blooms are lovely for cut flowers. Cutting insures a larger quantity of blooms. Flowers exceptionally large.

**RED SUPREME**—Crimson Scarlet.

**WELCOME**—Dazzling Scarlet.

**GIGANTIC**—Clear White.

**OLYMPIA**—Rich Purple.

**ROSIE** — Gorgeous Rose Pink.

**REFLECTION**—Clear Blue.

**POWERSCOURT**—Lovely Lavender.

**PIRATE GOLD**—Golden Orange.

**MIXED** — Mixture of fine colors.



Alyssum Violet Queen

**Pkt. 10c—Oz. 35c**

(All Above Prices, Postpaid)

## FLOWER SEEDS

Finest Varieties—All Postpaid

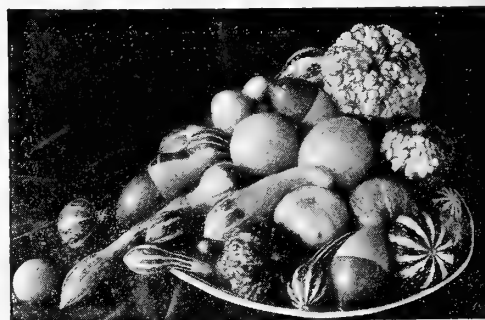
**AGERATUM (FLOSS FLOWER)**—(Illustrated). Feathery flowers, borne in dense clusters. Very decorative for bouquets. Drouth resistant.

**BLUE PERFECTION**—The popular deep blue. **Pkt. 10c.**

**ALYSSUM, LITTLE GEM**—Clusters of small white flowers. Very fragrant and very attractive in small bouquets. Cut back plants for a constant succession of blooms. **Pkt. 10c.**

**ALYSSUM, VIOLET QUEEN** (Illustrated)—Beautiful deep lavender flowers on compact plants. A fine border plant. **Pkt. 10c.**

**AMARANTHUS (LOVE LIES BLEEDING)**—Long drooping crimson spikes of flowers. Do well in good moist, lime soil, but colorings are more vivid in poorer ground. **Pkt. 10c.**



Gourd Small Varieties Mixed

**ASTERS (GIANTS OF CALIFORNIA, WILT RESISTANT)** (Illustrated next page) — Wilt-resistant strains of asters have increased this flower's popularity. We recommend fresh seed and fresh soil annually. Desirable cut flowers. For early blooming, start seeds indoors or in hot beds in December and January. Transplant when danger of frost is over. Mixed colors.

**Pkt. 10c.**



Ageratum

# FLOWERS TO BEAUTIFY YOUR HOME

INSIDE AND  
OUTSIDE

(See Page 21 for Planting Data. Cultural Instructions on Seed Packets)

★ Star Means Exceptionally Fine



Aster Improved Queen of the Market

## BACHELOR BUTTON (CORN FLOWER)

(Illustrated)—Blossoms are somewhat thistle-like in form. Drouth-resistant. Blue, Rose or Mixed. Pkt. 10c.



Canterbury Bells

★**BLUE LACE FLOWER** (Illustrated)—Dainty, lacy clusters of sky blue flowers make this plant especially appealing. Its flowers add charm to bouquets. Pkt. 10c.

**BLUEBONNET**—See Texas Blue Bonnet.



Calendula Campfire—Improved Florist Strain

## CALENDULA (POT MARIGOLD) —

Blooms all summer in almost any soil if seed pods are kept off. Likes moist soil.

**CAMPFIRE**—Dark Orange with a scarlet sheen. Early and very pleasing.

**ORANGE KING**—Deep orange with dark center.

**LEMON QUEEN**—Lemon yellow.

**FINEST MIXED**

All above—Pkt. 10c.

## ★CALLIOPSIS — GOLDEN CROWN —

Award of merit. All American selection 1938. Its fragrant, rich, orange-yellow flowers borne on long wiry stems are fine for cutting. Pkt. 10c.

## CANDYTUFT (Illustrated)—Well suited

to this section. Needs plenty of sunshine and only a moderate amount of water.

★**GIANT WHITE HYACINTH FLOWERED**—Produces large floral spikes resembling a well formed hyacinth. Pkt. 10c.

**UMBELLATA**—A compact round flower, umbrella formed. Delightful for bouquets. Mixed colors. Pkt. 10c.



Blue Lace Flower

## ★CANTERBURY BELLS (Illustrated)—

Branching plants bear heavily, double canterbury bells of various shades of blue and pink. Pkt. 10c.

## CARNATION (Illustrated next page)

—With a protection of litter or straw, these flowers stand the winter and flower freely the following spring.

## ★CHABAUD'S GIANT—Bloom about

six months after replanting. Produces an abundance of large, double, clove-scented flowers. Mixed colors. Pkt. 25c.

## CASTOR BEANS—Strong growing

plants, with ornamental foliage well adapted for border backgrounds, temporary screen plantings. Pkt. 10c.

## ★CHINESE WOOLFLOWER

Lovely and unusual. Branches luxuriantly and vivid flower clusters, like balls of yarn, are borne on the stem ends. Flowers are very lasting. A single plant often looks like a big bouquet. Pkt. 10c.



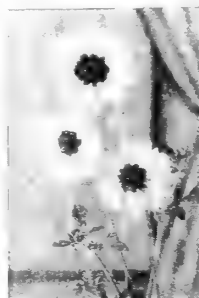
Bachelor Button—  
or Corn Flower

**CHRYSANTHEMUM, DOUBLE**—Bloom in the late summer and fall. Size of flower increased by pinching off buds, allowing fewer to bloom. Mixed colors. Pkt. 10c.

**CLARKIA, DOUBLE** (Illustrated next page)—Plant is graceful and erect, foliage light green. Likes poor soil. Delicately colored double flowers set closely along stem. Colors mixed. Pkt. 10c.

**COCKSCOMB**—A fine foliage plant. Does well on poor soils.

★**PRESIDENT THIERS** (1 ft.) (Illustrated next page)—Enormous velvety, crimson combs, bronze foliage. Pkt. 10c. **MIXED**—Pkt. 10c.



Calliopsis  
Golden Crown

★**COLUMBINE** (MRS SCOTT ELIOTT'S STRAIN OF LONG-SPURRED HYBRIDS) — The blooms of these dainty flowers are very large and the spurs quite long. Wide range of colors with pastel tones predominating. Pkt. 25c.

★**COREOPSIS—MAYFIELD GIANT**—A much improved type of coreopsis. Large single flowers of bright yellow. Long stems. Drouth resistant. Pkt. 10c.

**CORN FLOWER**—See Bachelor Button.



Candytuft

# PLANT PLENTY OF ANNUALS

## THEY ARE EASY TO GROW

★ Star means exceptionally fine.

(Planting Data, Page 21; Cultural Instructions Seed Packets.)

**DAHLIA**—See Back Inside Cover.

**DAISY—SHASTA** (Illustrated next page)—Large white, single blooms with yellow centers. Pinch back early buds to improve size of later flowers. Valuable for borders and bouquets. **Pkt. 10c.**

**PAINTED** (20 inch)—Free flowering, producing quantities of blooms of delicate coloring, poised on long, stiff stems. **Pkt. 10c.**

**DELPHINIUM** (See inside back cover for illustration.)

**FORGET-ME-NOTS** (*Myosotis Alpestris*)—Blooms early and late. Prefers cool, moist loam and half shade. A lovely blue flower, much appreciated in bouquets. **Pkt. 15c.**

**FOUR O'CLOCK** (Illustrated)—**MARVEL OF PERU**—Similar to Periwinkle in hardiness. Flowers open late in afternoon. Drouth resistant. Colors mixed. **Pkt. 10c.**



Cockcomb President Thiers

**GLOBE AMARANTH** (Old - Fashioned **BACHELOR BUTTON**)—Everlasting or straw flower. Clover-like blossoms of brilliant purplish red, soft pink and white often striped with violet. Mixed colors. **Pkt. 10c.**

**GODETIA** (Illustrated next page)—These hardy annuals provide graceful sprays for cut flower purposes. Their ease of growth (treatment similar to Cosmos and Zinnia) makes them especially pleasing in Texas. Do well in poor soil. Mixed double. **Pkt. 10c.**

★**GYPSOPHILA** (Illustrated next page)—**COVENT GARDEN STRAIN—BABY'S BREATH**—Dry and use year around. Plant literally covered with delicate flowers.

**GRANDIFLORA A L B A** — Improved, large flowered white. **Pkt. 10c.**

**ROSEA**—A beautiful shade of rose. **Pkt. 10c.**



Carnation Chabaud's Giant Double

**COSMOS**—Bloom in late summer and fall. Do well in any sunny place. Bloom more profusely in poor soil, which prevents excessive root growth. Drouth resistant.

★**EXTRA EARLY DOUBLE CRESTED** (Illustrated)—A charming cosmos having a large center crest. Mixed colors. **Pkt. 15c.**

**ORANGE FLARE** (Illustrated)—Golden orange. Fine for cutting. **Pkt. 10c.**

**MIXED**—Variety of brilliant colors. **Pkt. 10c.**

**CYNOGLOSSUM—FIRMAMENT** (Illustrated next page.)—Also known as Chinese Forget-me-not. Free blooming over a long season. Flowers bright indigo blue. Very hardy, growing in dry and even poor soil. **Pkt. 10c.**

FEED

ALL

PLANTS

WITH

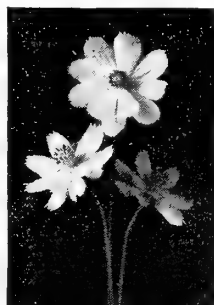
Vigoro

THE  
COMPLETE

Plant  
Food!



Cosmos  
Extra Early Double Crested



Cosmos  
Orange Flare

Annual  
FOUR  
O'CLOCKS  
for  
Vivid  
Color  
Hedges!



Coreopsis  
Old-Fashioned Favorite



Clarkia—Lovely Cut Flowers

LOVELY  
CUT  
FLOWERS

FLOWER GARDENING  
IS RECOMMENDED  
FOR  
*Mental --- Spiritual --- Physical*  
RECREATION



Four O'Clock—A brilliant hedge plant



# PLANT BRILLIANT BORDERS —

## FOR ALL-SEASON COLOR

★ Star Means Exceptionally Fine

(See Page 21 for Planting Data. Cultural Instructions on Seed Packets)



**Lantana**—A most interesting plant because of rapidly changing color.

**HIBISCUS**—Used extensively for background. Produces large, showy flowers from 4 to 6 inches in diameter. Very hardy. Colors mixed, shades of red, pink and white. **Pkt. 10c.**

**HELIANTHUS (Sunflower) SUN GOLD** Strikingly beautiful, 100 per cent double sunflowers. Plants grow 4 to 5 ft. and brilliant golden yellow flowers measure from 4 to 5 inches in diameter. Easy to grow. A midsummer splash of color.—**Pkt. 10c.**



**Cynoglossum**

### HOLLYHOCKS

Set amidst tall growing shrubs, this plant lends beauty and color to them. Lovely double flowers, deeply frilled and fringed at the edges.

**CHATER'S DOUBLE MIXED** — Perennial — **Pkt. 15c.**

**INDIAN SPRING** — (See Inside Back Cover.)

### LANTANA

—Above the large green leaves rise verbenalike clusters of fragrant flowers in shades of crimson, rose, orange and yellow, followed by green berries that turn later to a deep blue. Finest mixed.—**Pkt. 10c.**



**Shasta Daisy**



**Helianthus Sun Gold**

★**LARKSPUR, GIANT IMPERIAL** (3½ ft.)—Tall, upright, compact, basal branching in habit. Delphinium-like spikes of double flowers, carried on long stems, are compactly placed on upright plants requiring only about half the space needed for other types of Larkspur.

**BLUE BELL**—Azure Blue.

**WHITE KING**—Glistening White.

**BLUE SPIRE**—Deep Violet Blue.

**LILAC SPIRE**—Lovely Lilac.

**EXQUISITE PINK**—Soft Pink, shaded salmon.

**CARMINE KING** — Deep carmine rose.

**FINEST MIXED COLORS**—

All above **Pkt. 10c**

**MARIGOLD**—These popular flowers bloom abundantly long after most flowers are past their prime. Tall Marigolds are fine for borders; dwarfs valuable for bedding and edging.

★**FLASH**—See Back Cover.

★**POT O' GOLD**—See Back Cover.

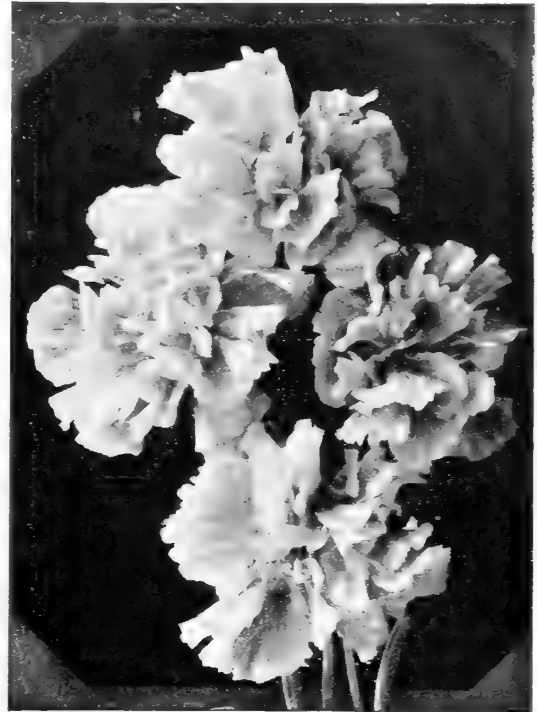
★**MAMMOTH MUM**—See Back Cover.

★**SUNSET GIANTS**—See Back Cover.

**HARMONY MIXTURE** (2 ft.) — The flowers have crested centers, flanked by deep petals and the color range includes popular orange and maroon red combinations, bright yellow, mahogany red and many others. Early blooming. **Pkt. 10c.**



**Hibiscus**—A fine background plant



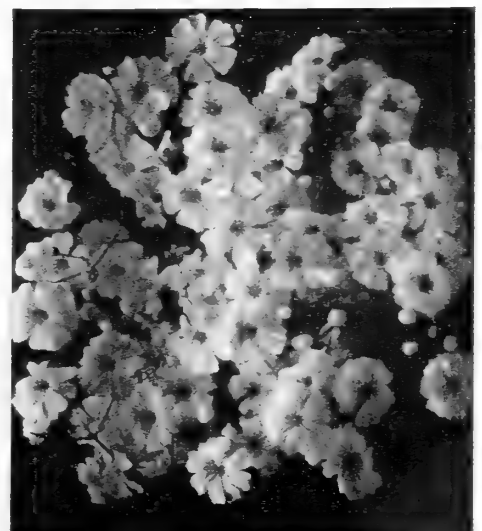
**Godetia**—Gorgeous and easy to grow

### MARIGOLD (Continued)

**GUINEA GOLD MARIGOLD** (See Illustration) (2 ft.)—Brilliant golden orange about 2½ inches across, semidouble, loosely ruffled. Very prolific. **Pkt. 10c.**

**YELLOW SUPREME** (2½ ft.)—A large lemon yellow "carnation flowered" Marigold with delicate honey-like fragrance. Increasingly popular. **Pkt. 10c.**

**AFRICAN TALL DOUBLE** (2½ ft.)—A beautiful flower, remains the best known and most popular of marigolds. **Pkt. 10c.**



**Gypsophila, Covent Garden Strain, Baby's Breath** Charming in bouquet or garden

**CONSULT THE  
FLOWER PLANTING GUIDE**

(Page 21)

For Planning

**COLOR all season**

French Marigold



See  
Back  
Cover  
for  
other  
Marigold  
Illus-  
trations

## MARIGOLDS—Continued

**DWARF FRENCH MARIGOLD** (2 ft.) (Illustrated)—Very prolific. 1½ inch blooms are often two-toned in yellow, brown, lemon, orange. **Pkt. 10c.**

**SPRY MARIGOLD** — Compact 9 inch bushes producing quantities of small flowers of Dwarf French type. **Pkt. 10c.**

**MEXICAN FIRE BUSH** — Furnishes a quick hedge very symmetrical in appearance. Does well in poor soil. Green moss-like foliage turns bronze red at frost. **Pkt. 10c.**

**MIGNONETTE** — (Illustrated) — Grown principally for delightful scent. Likes lime soil. Vigorous plant, dark leaves, cone-shaped spikes of fragrant blossoms; useful in bouquets for fragrance. **Pkt. 10c.**

**NASTURTIUM** (See Illustration Back Cover)—Blooms early and indefinitely, if flowers are picked before seed is formed.

★ **GOLDEN GLEAM** — Fragrant double blossoms, carried on long stems. **Pkt. 10c.**

★ **SCARLET GLEAM**—A brilliant double scarlet. **Pkt. 10c.**

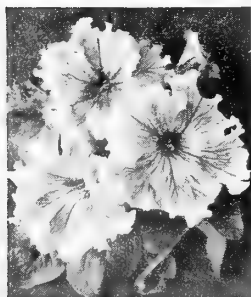
**MIXED GLEAM HYBRIDS**— (See Illustration Inside Back Cover). **Pkt. 10c.**

**MAHOGANY** — Semi-double, very dark red. **Pkt. 10c.**

**DWARF SINGLE NAS-  
TURTUUM** — Low - growing bushes. Suited for edging or borders. **Pkt. 10c—  
Large Pkt. 25c.**



Petunia Hybrida Nana  
Erecta Rosy Morn



Petunia  
Ruffled Monsters

# PRODUCE QUALITY BLOOMS

## WITH GOOD MAGNOLIA FLOWER SEEDS

★ Star means they are exceptionally fine

**NIEREMBERGIA** — (See Inside Back cover.)

**PANSY** (Illustrated)—Sow seeds in fall or very early spring in protected seed beds; cover lightly and transplant later, about 5 inches apart.

★ **SWISS GIANTS**—Very fine mixture of large blooming varieties. **Pkt. 25c.**

**PERIWINKLE**—See Vinca.

**PETUNIA**—Can be grown anywhere in mass beds, as border plants, for window boxes over-hanging terrace walls or in pots, indoor. Bloom in two months after planting.

★ **CHEERFUL**—(See Back Cover.)

★ **RUFFLED MONSTERS** (Illustrated) (14 in.)—Single blossoms. Lovely. **Pkt. 25c.**



Pinks—(Dianthus)

**PETUNIAS**—(Continued)

★ **ELK'S PRIDE** (14 in.)—Deep velvety purple. Very large. **Pkt. 25c.**

**HEAVENLY BLUE** (12 inches)—A good silvery blue which, however, will vary in shades of blue. **Pkt. 25c.**

**CELESTIAL ROSE**—An improved Rosy morn—very beautiful. **Pkt. 15c.**

**HOWARD STAR IMPROVED** (18 in.) —A very showy Petunia, crimson maroon in color with a clearly defined white star. **Pkt. 10c.**

**ROSE OF HEAVEN**—Rich brilliant rose with inconspicuous white throat. Somewhat darker than the Rosy Morn, but is equally free blooming. **Pkt. 15c.**

**ROSY MORN** (Illustrated) (10 in.)—Rosy pink flowers with large white throat. Very free blooming. **Pkt. 15c.**

**GENERAL DODD** (2 ft.)—Blood Red. **Pkt. 10c.**

**WHITE.** **Pkt. 10c.**

**VIOLACEA** (2 ft.)—Violet blue. **Pkt. 10c.**

**MIXED** (2 ft.)—Lovely shades. **Pkt. 10c.**

**Planting, Data, Page 20; Cultural Instructions on Seed Packets)**

**PHLOX**, Drum-  
mondi — (Illus-  
trated) — The  
old-time favorite  
that has been  
quite scarce since  
the beginning of  
the war. We are  
importing these  
seeds this year,  
since the Amer-  
ican market is not offering. We offer  
these European favorites:



Mignonette

**CHAMOIS ROSE**—Big soft rose with carmine eye.

**SPLENDENS**—Brilliant scarlet with white eye.

**ISABELLINA**—Creamy yellow.

**PURPUREA**—Clear, dark purple.

**FINEST MIXED**—All colors.

**Pkt. 25c.**

**PLANT  
FAMOUS GIANT  
SWISS PANSY  
SEEDS  
(Description  
Second Column)**



Pansy  
Swiss Giant

**PINKS, DIAN-  
THUS** — Spicy-  
odored annuals that  
reseed themselves.  
Produce variety of  
brilliant colors and  
profusion of blooms.  
Like lime soils. Drouth resistant. **Pkt.  
10c.**

★ **POPPIES** — (Illustrated Next Page)—  
**DOUBLE SHIRLEY**—The satiny tex-  
ture of the beautiful Double Shirley  
will delight you, and the range of color  
of our stock is the finest available.  
**Pkt. 10c.**

**SINGLE SHIRLEY**—(Illustrated next  
page)—(2 ft.)—Range in color from pur-  
est white to deepest crimson with all the  
intermediate shades. Many daintily edged  
and striped. Rarely two flowers alike.  
Known as "Silk Poppy."—**Pkt. 10c.**

**A M E R I C A N  
LEGION**—(2 ft.)—  
Giant brilliant scar-  
let flower with  
White Maltese  
Cross. Held erect on  
long, strong stems.  
Texture silky. **Pkt.  
10c.**

★ **SUNBEAM HY-  
BRIDS** — A cross  
between the Shir-  
ley and Nudicaule  
types, with flowers  
in charming shades  
of orange, salmon  
and other tints.  
**Pkt. 15c.**



Phlox Drummondii  
A Favorite in  
Old Fashioned Gardens

# Add NEW FLOWERS to YOUR GARDEN

## FOR INTEREST AND BEAUTY

★ Star means they are exceptionally fine.

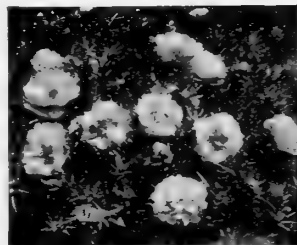
★**SCABIOSA, IMPERIAL GIANT BLUE MOON** (See Inside Back Cover) (3 ft.) —Fully double and a deep lavender blue of unusual attractiveness. Won Honorable Mention in 1939 All American Selections. Blooms on long stem, fine for cutting. **Pkt. 10c.**

**SCABIOSA (PIN CUSHION FLOWER)** (2½ ft.) (Illustrated)—Stamens light in color and in contrast with petals look like pins stuck into a cushion. Soft tones predominate. **Pkt. 10c.**



Scabiosa

Profuse  
Blooming  
Riotous—  
Colorful—  
**POPPIES**  
For Solid  
Beds  
and Borders



Portulaca

Use  
Vigoro  
to  
Feed  
Your  
Flowers

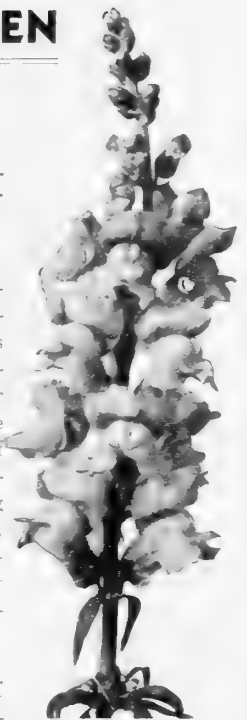
**SNAPDRAGON (ANTIRRHINUM)** (Illustrated.)—Long showy spikes of tubular flowers, with spreading lobes and finely marked throats. Fragrant as well as brilliantly colored. Very desirable for cutting. Likes poor soil. Rustproof. Brilliant ROSE, SCARLET, RED, YELLOW, BRONZE, WHITE or MIXED. INDIAN SUMMER. **Pkt. 10c.**



Test your soil and find out just what is needed to make it fertile. See page 35 for Soil Test Kits and 31 and 34 for suggestions on soil conditioners and fertilizers.

(See Page 20 for Planting Data: Cultural Instructions on Seed Packets.)

**STATICE (EVER-LASTING)** (Illustrated) — Plants thrive in sunny locations and in poor soil. Flowers borne in dense groups of blossoms in graduated rows along their curving tips. Very dainty. Extensively used by florists. Mixed colors. **Pkt. 10c.**



Snapdragons

**STOCKS (EARLY GIANT IMPERIAL)** (26 in.) — These giant stocks will unquestionably supersede all others for outdoor planting. Delightfully fragrant and very hardy. CHAMOIS ROSE, (Golden Old Rose), LAVENDER, DARK BLUE, FIERY BLOOD RED, SANTA MARIA, (Giant White.) **Pkt. 10c.**

**STOCKS—DWARF 10 WEEKS** (Gilliflower) (Illustrated) A favorite of long standing. Fragrant and hardy. **Pkt. 10c.**



Stocks Ten Weeks

**SNAP-  
DRAGONS**

and

**STOCKS**

For

Mass

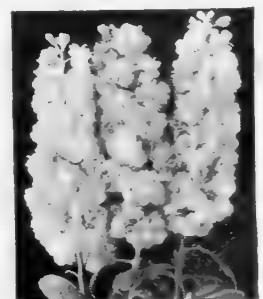
Beauty

and

Excellent

for

Cutting



Stocks Giant Imperial

Poppy—Shirley

### POPPIES—(Continued)

**CALIFORNIA (ESCHSCHOLTZIA)** — (12 in.)—This delightful flower belongs in every garden. Plants grow in tufts, with lacy blue-green foliage. Long tapering buds expand into handsome saucer-shaped blossoms. Bloom profusely all summer. Yellow or mixed. **Pkt. 10c.**

★**TULIP** (2 ft.) — Large Tulip-shaped flowers of dazzling scarlet with black maltese cross. **Pkt. 10c.**

**PORTULACA (MOSSROSE)** (Illustrated) —Especially desirable for edging, in mass beds, on mounds or in rock gardens. Low growing plant with thick, fleshy, waxy stem. Brilliantly colored flowers; cup-shaped in single varieties and rose-like in double. Drouth resistant.

**SINGLE MIXED. Pkt. 10c.**

**Double MIXED. Pkt. 15c.**

### QUEEN ANNE'S LACE FLOWER—

(Illustrated). The white lacy, flower so common in Texas, which softens and beautifies bouquets and graces so many borders. **Pkt. 10c.**

### ★SALPIGLOSSIS

(PAINTED TONGUE) (Illustrated next page.) The long flowering period of this plant combined with its showy flowers makes it desirable for every garden. Flowers are richly colored, velvety in texture, lily in shape, golden veining adds to their beauty. **Pkt. 10c.**

Poppy Double Shirley



Queen Anne's Lace Flower

# PLANT COLOR! COLOR!! COLOR!!!

## FOR EVEN THE HOTTEST SUMMER DAYS

★ Star means they are exceptionally fine

### ZINNIAS

Each year many new and delightful flowers are produced in the zinnia family. We list those which have been tested and proved satisfactory in this area.

★**SUPER CROWN O' GOLD** (3 ft.)—Combining the ruggedness of the California Giant with the soft effect of the Dahlia Flowered.

Our pastel mixture of Super Crown of Gold Zinnias includes soft yellow, old gold, light pink, apricot pink, and various shades of salmon, buff, peach, cerise, as well as white and cream. Each petal, at the base, is overlaid with a deep golden yellow, while carrying out the individual flower color at the tip. We consider this the finest of the Zinnias.

**Pkt. 10c.**

★**FANTASY**—A lovely flower. Petals curved and partially quilled like those of the Cactus Dahlia. Flowers medium size in a fine range of shades.

**WILDFIRE**—Dazzling scarlet. **Pkt. 15c.**

**MIXED**—Wide range of color. **Pkt. 10c.**



Tithonia Speciosa

**ZINNIA—LINEARIS, ORANGE** (10 in.) Flowers usually measure 1 1/4 inches in diameter. At first each petal carries a green stripe down the center but this later turns to light yellow. An unusually novel and attractive fall flower, good for borders or cut flowers. **Pkt. 10c.**

**ZINNIA—LILLIPUT** (12 in.) (See inside Back Cover Illustration.)—Produces an abundance of double flowers about 1 in. in diameter. very popular for bouquets.

**SALMON GEM GOLDEN GEM ROSEBUD WHITE GEM CANARY GEM SCARLET GEM PURPLE GEM**

**Pkt. 10c—Oz. \$1.20—Postpaid**

**Mixed: Pkt. 10c—Oz. \$1.10—Postpaid.**

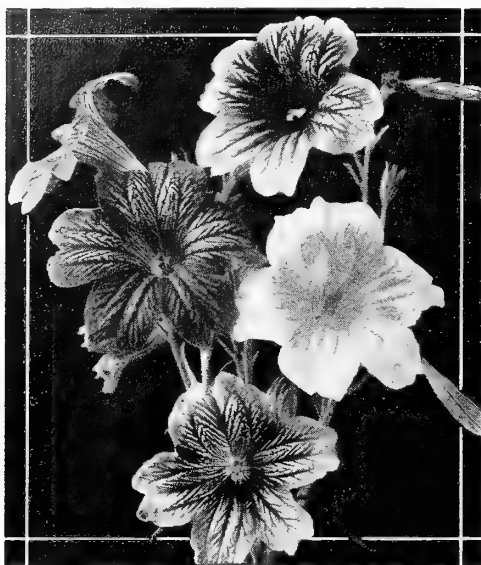
**ZINNIA—GIANTS OF CALIFORNIA** (2 1/2 ft.) (See Inside Back Cover Illustration.) The largest of the Zinnias, sometimes measuring from 4 to 6 inches.

**VIOLET QUEEN** (Purple)  
**ORANGE KING**  
**PURITY** (White)  
**ROSE QUEEN**  
**SCARLET QUEEN** (Red)  
**LAVENDER QUEEN**  
**MISS WILMOTT** (Pink)  
**CANARY YELLOW**  
**GOLDEN QUEEN**

**Pkt. 10c—Oz. \$1.40—Postpaid**

**Mixed: Pkt. 10c—Oz. \$1.30—Postpaid**

TRY SOME GORGEOUS DAHLIA-FLOWERED  
**ZINNIAS**



Salpiglossis—Outstandingly lovely in its wide range of velvety colors, all veined with gold

**SWEET WILLIAM**—An old-fashioned flower, well known. Pleasing especially because of wide range of colors and fragrance. **Pkt. 10c.**

**TEXAS BLUE BONNET (LUPINES)**—This lovely flower is fine for perennial borders. Reseeds itself. Grows practically anywhere. Does specially well on lime soils. **Pkt. 10c.**

**TITHONIA**—A startling brilliant flower. Flowers last well. Adapted to Texas conditions.

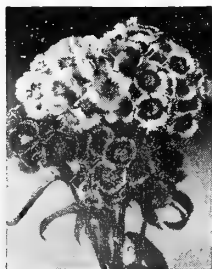
**SPECIOSA**—Mixed. **Pkt. 10c.**

**TOUCH-ME-NOT**—(See Balsam)

**VERBENA**—(Illustrated)—Very desirable for massing in beds or borders. Blooms from early spring until heavy frost. Used extensively for raised mounds. Likes poor soil.



Statice Sinuata Yellow



Sweet William Annual Single Mixed

FOR  
Modern  
or  
Old-Fashioned  
Gardens  
**Verbenas**

Colorful—Low-Bedding Beauty



Verbena

**ZINNIA—DAHLIA FLOWERED** (2 1/2 ft.)—Flowers are 2 1/2 to 4 inches across and are particularly liked for their slightly hollowed petals which are loosely placed.

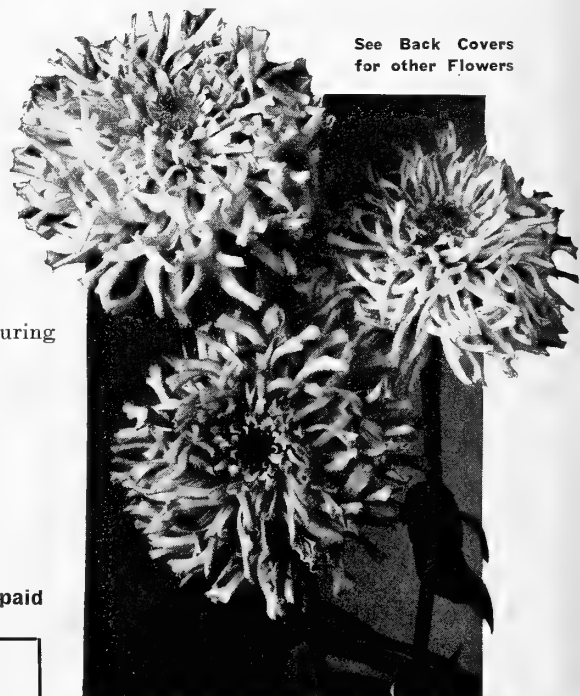


Vinca Rosea

**DREAM** (Orchid)  
**EXQUISITE** (Rose Pink)  
**CANARY YELLOW**  
**CRIMSON MONARCH**  
**ILLUMINATION** (Rose)  
**POLAR BEAR** (White)  
**WILL ROGERS** (Scarlet Red)  
**PURPLE PRINCE**  
**ORIOLE** (Orange)

**Pkt. 10c—Oz. \$1.40—Postpaid**

**Mixed: Pkt. 10c—Oz. \$1.30—Postpaid**



See Back Covers for other Flowers

**Fantasy Zinnia**—No picture can do justice to the charm of this easily raised variety.





Amaryllis

## BRILLIANT AMARYLLIS LILIES

These large, showy lilies grow in popularity from year to year. Their blooms often measure from 5 to 6 inches in diameter. They are very hardy and you are sure of blooms from each bulb. Plant bulbs so top is slightly above the ground.

**JOHNSONII**—Deep velvety, glowing red, with white stripes.

**EQUESTRES**—Brilliant orange flowers.  
Each 40c, Dozen \$4.00—Postpaid.

**LARGE HYBRIDS**—A variety of colors, with huge blooms. Often striped.

Each 45c, Dozen \$5.00—Postpaid.

BULBS FOR SPRING PLANTING  
Ready for Sale About January 25th

BULBS FOR FALL PLANTING  
Begin to Arrive in Our Showrooms  
About August 15th

## SHOWY COLORS



Canna

## FOR BORDERS, BEDS AND BACKGROUNDS

## GORGEOUS CANNAS

In selecting Cannas, it is well to consider both the color of foliage and bloom, and the height of the plant. This is probably the most useful plant in the Southwest for mass effect. Extremely hardy and prolific. Blooms for a long period of time. Remarkably drouth resistant. A little attention in watering, plus fertilization, repays not only with beautiful flowers, but with unusually prolific root multiplication.

**GIANT RED**—(6 ft.) Bright green foliage with brilliant red flowers. Fine for backgrounds, or where showy flowers are desired.

**THE PRESIDENT**—(4 ft.) The popular dwarf red, rich green foliage, and glowing scarlet flowers of immense size, sometimes seven inches across when fully open. Flowers are produced on strong, erect stalks, well above the heavy foliage.

**CITY OF PORTLAND** — (3 ft.) Foliage a bright green with very large rose pink flowers, very similar to The President. This is the highly popular pink Canna.

Above—Ea. 15c—Dozen \$1.60—  
100 \$10.90—Postpaid.

**EUREKA**—(3 ft.) A lovely white Canna. Makes a brilliant display in the garden at night. Many spot-light these lovely flowers.

Ea. 20c—Doz. \$2.00—100 \$13.50  
Postpaid.

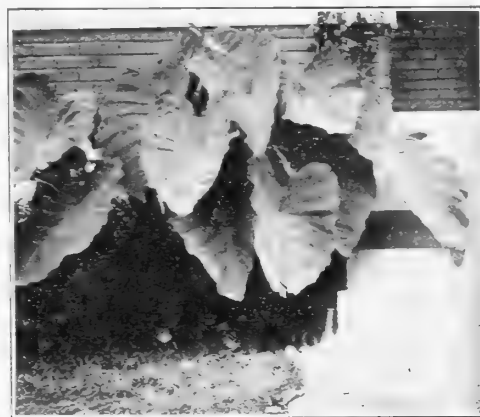
**DWARF YELLOW**—(2½ ft.) The popular border Canna. Often used in round beds with the larger and more brilliant colors used in the center.

Each 15c—Doz. \$1.25—100 \$8.90  
Postpaid.

## CALADIUMS

They are also known as Elephant Ears. If you have some unsightly spot you want to hide, these foliage plants are splendid. They like plenty of moisture. In large yard they furnish excellent background for smaller, blooming plants. They are also beautiful in round beds for center display, surrounded with brightly colored flowers.

Large Bulbs, 50c—Jumbo Size, 80c—  
—Postpaid.



Caladiums—Ideal for Backgrounds

## Fancy-Leaved CALADIUMS

Wonderful pot plants. Also may be planted out-of-doors in moist places, preferably combined with ferns. Very showy in borders or beds.

**CANDIDUM**—Fine Easter variety, and very popular. Leaf snowwhite with green veins and network; narrow green border. Ours is the true Candidum.

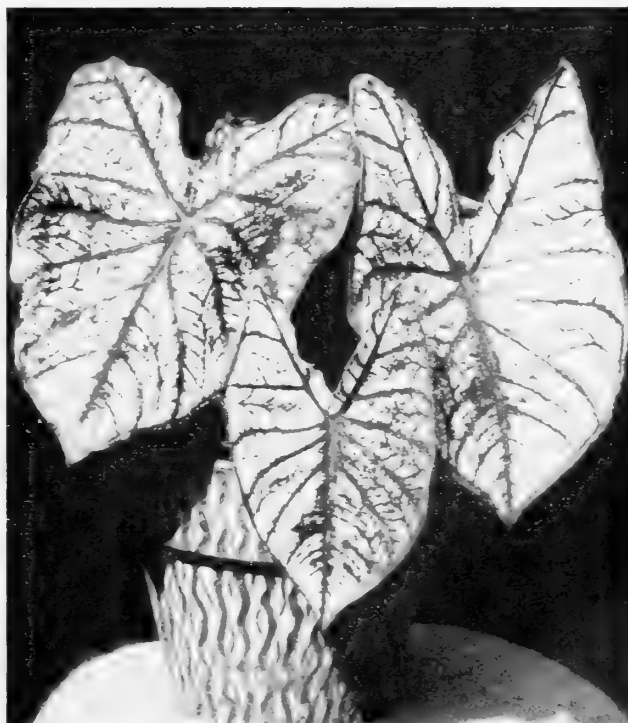
**ITACAPUS**—Entire leaf dark red; narrow border with red dottings. One of the most beautiful Caladiums in existence. Known also as "John Hachmeister."

**LORD DERBY**—Transparent rose, with dark green ribs and narrow green edge. Very lovely.

**MRS. W. B. HALDEMAN**—Medium leaf of bright pink with narrow green edge. D deservedly popular.

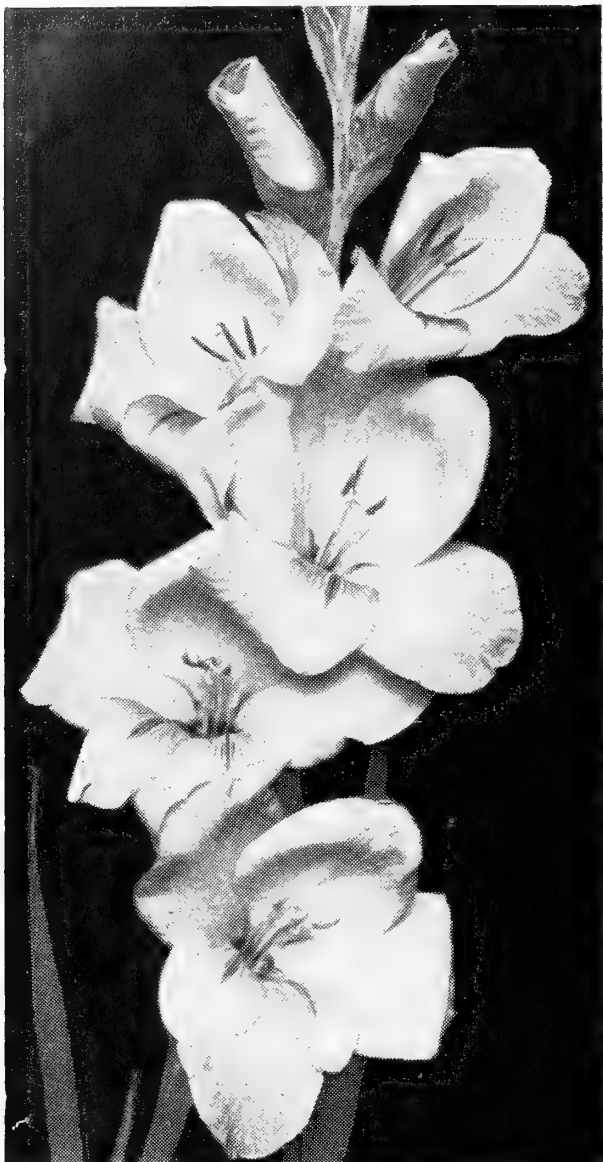
**SOROCABA**—Transparent silvery pink, suffused white, with greenish ribs and veins.

Each 45c, Dozen \$5.00—Postpaid.



Fancy-Leaved Caladium

# BULBS - Finest Recommended Varieties



Gladioli

**BULBS FOR SPRING PLANTING**  
Ready for Sale About January 25th

**BULBS FOR FALL PLANTING**  
Begin to Arrive in Our Showrooms  
About August 15th

## STATELY GLADIOLI

Gladioli thrive in almost any good soil except stiff clay. They require full sunlight and are liable to injury if too richly fertilized. Plant bulbs 6 to 9 inches apart, the large ones 6 inches deep and the small ones 3 to 4½ inches deep. Plant at intervals of two weeks during the spring and early summer and have a succession of blooms. Water freely during growing season for fine blossoms. Cultivate regularly.

**DR. F. E. BENNETT**—Bright scarlet flowers with faint white markings in throat. Tall vigorous spike.

**BETTY NUTHALL**—Coral pink with pale orange throat, carmine tinted.

**DEBONAIR**—A dainty light pink with a creamy throat. Large strong spikes.

**GOLDEN DREAM**—Clear, deep golden yellow.

**BERTY SNOW**—A bright lavender with a creamy throat.

**LA PALOMA**—Deep orange. Very handsome.

**MINUET**—Soft light lavender. Very large flower. Most popular.

**PELEGRINA**—Deep violet blue.

**MAID OF ORLEANS**—A giant white Gladiolus with mammoth florets. Milky white with cream throat. This is a favorite white of many years standing.

**PICARDY**—Apricot pink, huge spikes with as many as 10 florets open at one time. Hardy and beautiful.

½ Doz. 65c—Doz. \$1.15—100, \$8.50—Postpaid

## You'll Want Some of These!

**CHAS. DICKENS**—Large deep purple violet. The kind florists want so much. Simply gorgeous.

**VAGABOND PRINCE**—Magnificent bronze red with orange splotch. A color combination that defies description.

**REWI FALLU**—Early deep blood red. Very large flowers on a tall

straight spike. The demand jumps every year.

**BEACON**—Salmon scarlet with creamy throat. Tall spike produces eight florets open at one time. Very striking.

½ Doz. 75c—Doz. \$1.40—100 \$10.50—Postpaid

Above Bulbs May Be Assorted in Groups to Make Up Total Quantities.

## QUEEN'S WREATH

(Mexican Love Vine)—Exceptionally fine climber with sprays of deep rose pink flowers, blooming all summer. Plant when the ground is warm as bulbs are almost certain to rot in cold ground. Vine dies in winter and comes again the next year, provided roots are protected over the winter. Plant on south side of building.

Each 40c—Doz. \$3.50  
Postpaid

## TUBEROSE

Well known for its heavy fragrance. Single variety is native to Texas and multiplies very rapidly. Double type not so hardy, but well repays its growing because of the longer period over which it blooms. Harvest your bulbs very late in the fall, after they die down, and separate before replanting in the spring.

**Singles** — 2 for 25c — Doz. \$1.15—100 \$7.95—Postpaid  
**Doubles** — 2 for 40c—Doz. \$1.75—100 \$11.95—Postpaid



Tuberose

# DAHLIAS - Gorgeous! Easy to Grow!

SEE BACK COVER FOR ILLUSTRATIONS IN FULL COLOR

Dahlia roots are definitely short this year, and available supplies will not begin to meet the demand. We recommend you make your selections early.

The plants grow from 3 to 4 ft. tall, and continue blooming most of the summer. Some of the blooms are immense, providing beautiful cut flowers. (See the back cover for illustration.) Roots should be taken up at first danger of frost and kept stored in a warm dry place during the winter. When planting in the spring, a sunny situation is desirable, with plenty of space and air. Dig soil deeply; drain well; use only Vigoro, or well-rotted,

sterilized fertilizer. Plants should be supported, by tying to stakes, after attaining some growth. All of our Dahlias are of the decorative type.

**MINA BURGLE**—Beautiful scarlet red, that has held its popularity year after year.

**PURITY**—Large, pure white. A variety of great merit.

**ROSA NELL**—A very lovely rose pink. Flowers uniform and perfect and produced on long stems well above foliage.

**DARLENE**—Soft shell pink bloom carried high above the foliage on long wiry stem.

**ELLINOR VANDER VEER**—A lovely orchid and a dahlia of great merit. Strong growing and very abundant bloomer, lending itself to exhibition or garden uses with equal success.

**AIDA**—Dark gorgeous maroon. Very beautiful and hardy.

**YELLOW COLOSSE**—An excellent decorative dahlia. Glowing yellow.

2 for 45c—6 for \$1.15—\$2.20 Doz.—  
Postpaid

You May Specify Mixture at  
Quantity Prices

# HOW TO BUILD OLD AND NEW LAWNS—

Good seeds, good plant food, cultivation and attention repay you many times

**Rebuilding an Old Lawn**—If soil is tight and weedy it may be necessary to plow up and harrow. Fertilizers which cause top greening without value to the root system, coarsen and damage the turf. If lawn is of Bermuda grass, roots will come back after ploughing and harrowing and form a satisfactory turf in the spring, although reseeding greatly improves quality. Fertilize thoroughly with Vigoro, and never use cheap, unbalanced fertilizer on your lawn.

**Building a New Lawn**—Save six or eight inches of top soil and carefully replace after grading. Harrow and rake this top soil until pulverized and level, then apply Vigoro Plant Food at the rate of 4 lbs. to 100 square feet, sow the grass seed, then rake and harrow, and roll if possible. Keep ground well watered and apply Vigoro at least twice during the first season. This may be done either in Spring or Fall.

## Lawn Grass Seed

**Magnolia Shady Lawn Mixture**—A mixture of grasses that thrive in shade, under trees or close to walls. Remember that trees use a lot of plant food. Your lawn under trees, therefore, must be given much more plant food and moisture. 1 lb. to 200 sq. ft. **Lb. 95c—2 Lbs. \$1.85—10 Lbs. \$8.25—Postpaid.**

**Magnolia Winter Lawn Mixture**—Sow during September or October at the rate of one pound to two hundred square feet. Before sowing, mow the lawn closely and if the Bermuda is very thick, give it a top dressing of one inch loamy soil and Vigoro. Then rake the lawn and water thoroughly. If allowed to seed in the spring this grass will reseed itself, but if kept cut it must be replanted. **Lb. 70c—2 Lbs. \$1.35—10 Lbs. \$5.75—Postpaid.**

**Bermuda Grass**—Bermuda Grass seed is the best for sunny exposure and summer lawns. Plant in spring or late summer

when weather is warm and soil moist. Sown before a rainy season, seed comes up in short time, otherwise it germinates slowly. Sow 2 lbs. for every thousand square feet. Mix with dry sand to get an easy, even distribution.

**Unhulled Bermuda**—Lb. 75c—2 Lbs. \$1.45—10 Lbs. \$6.25—Postpaid.

**Hulled Bermuda**—(1 lb. to 1000 sq. ft.) Lb. \$1.00—2 Lbs. \$1.95—10 Lbs. \$8.75 Postpaid.

**Kentucky Blue**—A desirable lawn grass in some sections of Texas. However, we recommend it only where it has been proved. Plant 1 lb. to the 200 sq. ft. Lb. 85c—2 Lbs. \$1.65—10 Lbs. \$7.25—Postpaid.

**Winter Rye Grass**—A very fine, winter lawn grass. Plant 1 lb. to each 100 sq. ft. Adaptable almost everywhere. Lb. 30c—2 Lbs. 55c—10 Lbs. \$2.00—Post-Paid.

## Different Grasses For Various Soils—

Because no one kind of grass produces a lawn which will keep green through the entire year, we have a number of different kinds of mixtures. If you have a satisfactory summer lawn, then our Winter Grass Mixture may be used to produce a winter lawn. Winter lawns must be reseeded every year, unless they are allowed to go to seed in the spring before cutting, which is not usually done. For shady spots, plant our Shady Mixture. Bermuda will not grow in shady spots. In semi-shade Bermuda will grow, if given plenty of plant food and water.



## Bat-Guan

**BAT-GUAN**, a fertilizer composed largely of organic matter, it contains the three major elements of plant food: Nitrogen 3%, Phosphorus 5%, Potash 2%.

Being largely organic, Bat-Guan sets up bacterial action which insures continuing effectiveness plus improvement in the physical condition of the soil itself.

Use Bat-Guan for Vegetables, for Flowers (pot plants or garden flowers), for Trees and Shrubs, for Lawns.

**4 Oz. Pkg. 15c—1 Lb. 25c—5 Lbs. 80c—25 Lbs. \$3.50—75 Lbs. \$7.50—F.O.B. Dallas**



## Improved PEAT MOSS

Use **BLACK MAGIC** brand peat as a general soil conditioner, mulch, and weed-free humus, for lawns, beds, borders, around shrubs and potted plants.

**IMPROVED BLACK MAGIC PEAT MOSS** contains valuable elements. Nitrogen, Phosphorus and Potash—also valuable minerals: Carbon, Oxygen, Hydrogen, Sulphur, Iron, Copper, Magnesium and Boron. Its acid element counteracts alkalinity.

## Black Magic

**CONDITIONS — NEUTRALIZES — MULCHES**

**IMPROVED BLACK MAGIC** Peat Moss mixed into the soil around plants preserves moisture in the soil and holds many times its weight in moisture, so that hungry roots can "drink" the food they need. It also serves as a protective mulch from summer heat or winter cold. Used and recommended by leading Nurserymen and professional growers.

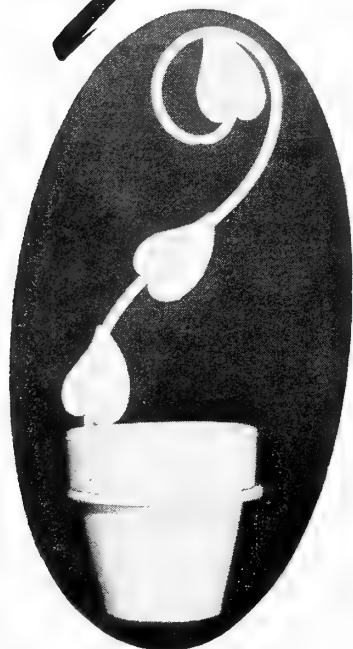
Quantity	wt.	Coverage	Price
1 Bu. ....	25 lbs.	29 sq. ft.	\$1.00
3 bu. bag ..	40 lbs.	87 sq. ft.	2.50

**F.O.B. Dallas**

# Graceful. Decorative.

## ART IRON LIFE-TIME

FOR BREAKFAST ROOM---PAT



### WROUGHT IRON FLOWER POT HANGER

This "ivy leaf" flower pot holder is a thing of real beauty. Usable wherever a flower pot hanger is desired, it is especially lovely for porches, terraces and breakfast rooms.

Only one holder illustrated, but it comes in pairs with a right and left design. Over-all height 11", width 4½". Pair complete with 4 in. pot, wt. 4 lbs. ... \$1.95  
Each complete with 4 in. pot, wt. 2 lbs. \$1.10

F.O.B. Dallas



### BARBECUE GRILL

Modern outdoor living makes a Barbecue Grill a necessity. Ours combines usefulness with beauty and convenience. This Grill may be used wherever practical to do the work and then readily wheeled into position near the service table. Removable top tray (size 16"x20") and the bottom shelf are especially handy storage spaces. The set is 30" in height with a steel pit 16" by 16". Finished in verde green. Burns either charcoal or wood.

Shipping wt. 90 lbs., each, F.O.B. Dallas ..... \$49.50



### POTTER ART

Our entire line of Art Iron is constructed for us by Potter, long. These designs are manufactured for Magnolia Seed Company passed. It is possible to buy lower grades, but in art iron, the Correct construction avoids rough edges that tear clothing and beauty and long life. Potter Quality assures grace and individual iron, insist on POTTER'S.

### TERRACE SETS (Above)

Note the grace of the curved table legs, and simplicity of the design. This set would be a thing of beauty always in your garden or in your house. Table and chair feet fitted with gliders to make moving easy and preserve the floor! The glass-topped table is 28"x48". The chairs have removable, washable leatherette seats; durable white enamel finish. Seat covers: red, yellow, green, blue, black or Spanish cream (show first, second and third choice of color).

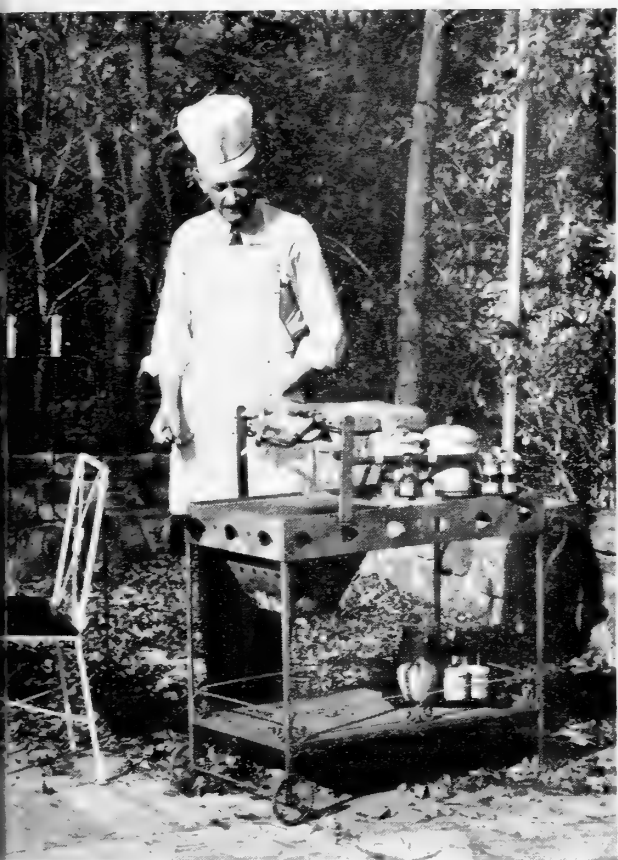
No. 1 Set—Table and 4 chairs, shipping wt. 177 lbs., per Set, F.O.B. Dallas ..... \$65.00

Ornament  
Discrimin  
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Table size  
a feature  
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No. 2 De  
185 lb.



# ive ME SETS-

--- TERRACE --- PORCH



A Terrace Barbecue—Mr. Fager, our vice president as chef.

## MAKE YOUR FESTIVE "VITTLES" Vibrate!

With  
Herbs!  
Sauces!  
Vinegars!



Write for your free copy  
of "Recipe Magic"

Sylph (non-fattening)	Pint	\$1.00
	½ Pint	.60
Herb Flavored Mustard Sauce	5½ oz.	.50
Baste Flavor	½ Pint	.90
Tomato Teasoning	4 oz.	.75
Dash	4 oz.	.60

### HERB FLAVORED WINE VINEGARS

Tarragon Wine Vinegar	All Flavors Quart Pint	1.65 .85
Basil Wine Vinegar		
Herb Salad Wine Vinegar		
Mixed Herb Wine Vinegar		
Garlic Wine Vinegar		

### HERBS AND "OUR" BLENDS

Herbacue—All Purpose	4 oz.	.65
Blend A—For Meats, Stews, Gravies	1½ oz.	.35
Blend B—For Stuffing,		

Poultry, Soups, Vegetables		
Blend C—For Salads, Eggs, Cheese, Mushrooms, Specials, Sauces, "Everything"	1½ oz.	.35

Spice and Herb Blend	4 oz.	.65
Salad Herb Blend	4 oz.	.75
Curry	4 oz.	.40

Marjoram, Savory, Thyme, Tarragon, Rosemary, Ground Orange Peel, Sage, Mint, Basil, Celery Leaves and Stalk, Oregano	1½ oz.	.35
--	--------	-----

Vinegar Trio	\$1.00
Card board shelf containing three ¼ pint wine vinegars in assorted flavors, and re- ceipe booklet.	

(Postage Extra)

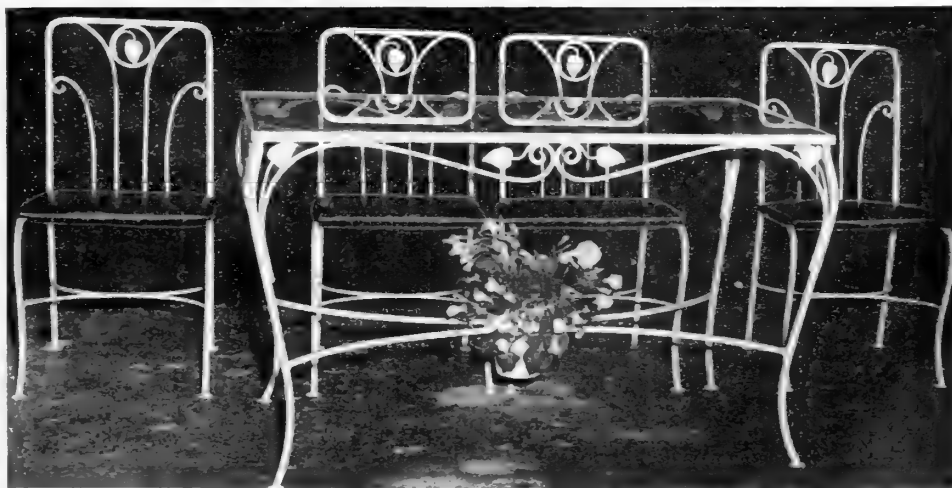
## IRON

ed Artisans in ornamental iron.  
lively. Their quality is not sur-  
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sh floors. Potter Quality assures  
When you buy ornamental art

### DELUXE SET (Right)

art iron in a graceful ivy leaf design.  
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does justice to its outstanding beauty.  
x48". Note the artistic center support—  
ll Potter tables. Jardiniere for cut flow-  
ants or ivy. Removable chair seats, same  
1 Set. Table and chair feet fitted with  
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le white enamel finish.

Set—Table and 4 chairs, shipping Wt.  
D.B. Dallas .....\$123.50

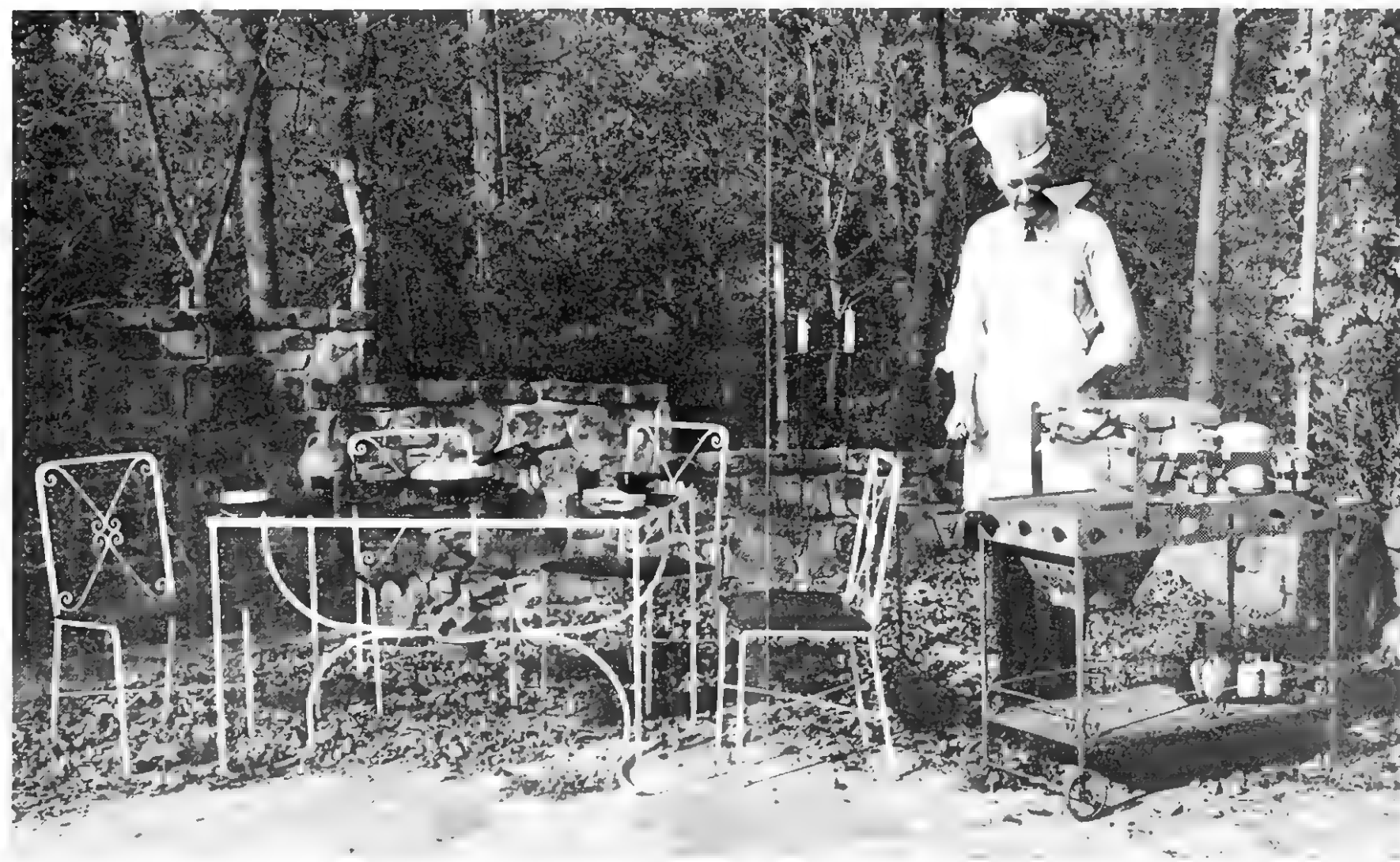


# Graceful - Decorative ART IRON LIFE-TIME SETS - FOR BREAKFAST ROOM --- PATIO --- TERRACE --- PORCH



## WROUGHT IRON FLOWER POT HANGER

This "ivy leaf" flower pot holder is a thing of real beauty. Usable wherever a flower pot hanger is desired, it is especially lovely for porches, terraces and breakfast rooms. Only one holder illustrated, but it comes in pairs with a right and left design. Over-all height 11", width 4 1/2". Pair complete with 4 in. pot, wt. 4 lbs. ... **\$1.95**  
Each complete with 4 in. pot, wt. 2 lbs. **\$1.10**  
**F.O.B. Dallas**



A Terrace Barbecue—Mr. Fager, our vice president as chef.

## POTTER ART IRON

Our entire line of Art Iron is constructed for us by Potter, long noted Artisans in ornamental iron. These designs are manufactured for Magnolia Seed Company exclusively. Their quality is not surpassed. It is possible to buy lower grades, but in art iron, the importance of quality is paramount. Correct construction avoids rough edges that tear clothing and scratch floors. Potter Quality assures beauty and long life. Potter Quality assures grace and individuality. When you buy ornamental art iron, insist on POTTER'S.

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Note the grace of the curved table legs, and simplicity of the design. This set would be a thing of beauty always in your garden or in your house. Table and chair feet fitted with gliders to make moving easy and preserve the floor! The glass-topped table is 28"x48". The chairs have removable, washable leatherette seats; durable white enamel finish. Seat covers: red, yellow, green, blue, black or Spanish cream (show first, second and third choice of color).  
No. 1 Set—Table and 4 chairs, shipping wt. 177 lbs., per Set, F.O.B. Dallas ..... **\$65.00**

### DELUXE SET (Right)

Ornamental art iron in a graceful ivy leaf design. Discriminating designers created this design and the picture hardly does justice to its outstanding beauty. Table size 28"x48". Note the artistic center support—a feature of all Potter tables. Jardiniere for cut flowers, potted plants or ivy. Removable chair seats, same colors as No. 1 Set. Table and chair feet fitted with gliders for ease in moving, and to avoid scratching floors. Durable white enamel finish.  
No. 2 De Luxe Set—Table and 4 chairs, shipping Wt. 185 lbs. F.O.B. Dallas ..... **\$123.50**

## MAKE YOUR FESTIVE "VITTLES" Vibrate!

With  
Herbs!  
Sauces!  
Vinegars!



Write for your free copy  
of "Recipe Magic"

Sylph (non-fattening)	Pint	\$1.00
	1/2 Pint	.60
Herb Flavored Mustard Sauce	5 1/2 oz.	.50
Baste Flavor	1/2 Pint	.90
Tomato Seasoning	4 oz.	.75
Dash	4 oz.	.60

### HERB FLAVORED WINE VINEGARS

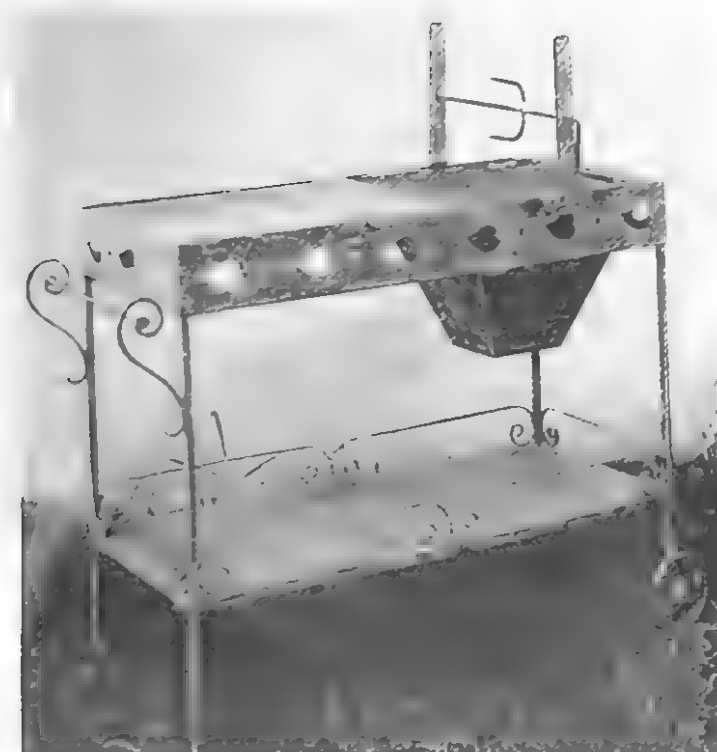
Tarragon Wine Vinegar	All Flavors	
Basil Wine Vinegar	Quart	1.65
Herb Salad Wine Vinegar	Pint	.85
Mixed Herb Wine Vinegar		
Garlic Wine Vinegar		

### HERBS AND "OUR" BLENDS

Herbacue—All Purpose	4 oz.	.65
Blend A—For Meats, Stews, Gravies	1 1/2 oz.	.35
Blend B—For Stuffing,		

Poultry, Soups Vegetables		
Blend C—For Salads, Eggs, Cheese, Mushrooms, Specials, Sauces, "Everything"	1 1/2 oz.	.35
Spice and Herb Blend	4 oz.	.65
Salad Herb Blend	4 oz.	.75
Curry	4 oz.	.40
Marjoram, Savory, Thyme, Tarragon, Rosemary, Ground Orange	1 1/2	
Peel, Sage, Mint, Basil, Celery Leaves and Stalk, Oregano		
Vinegar Trio Card board		
in assorted ceipe booklet		

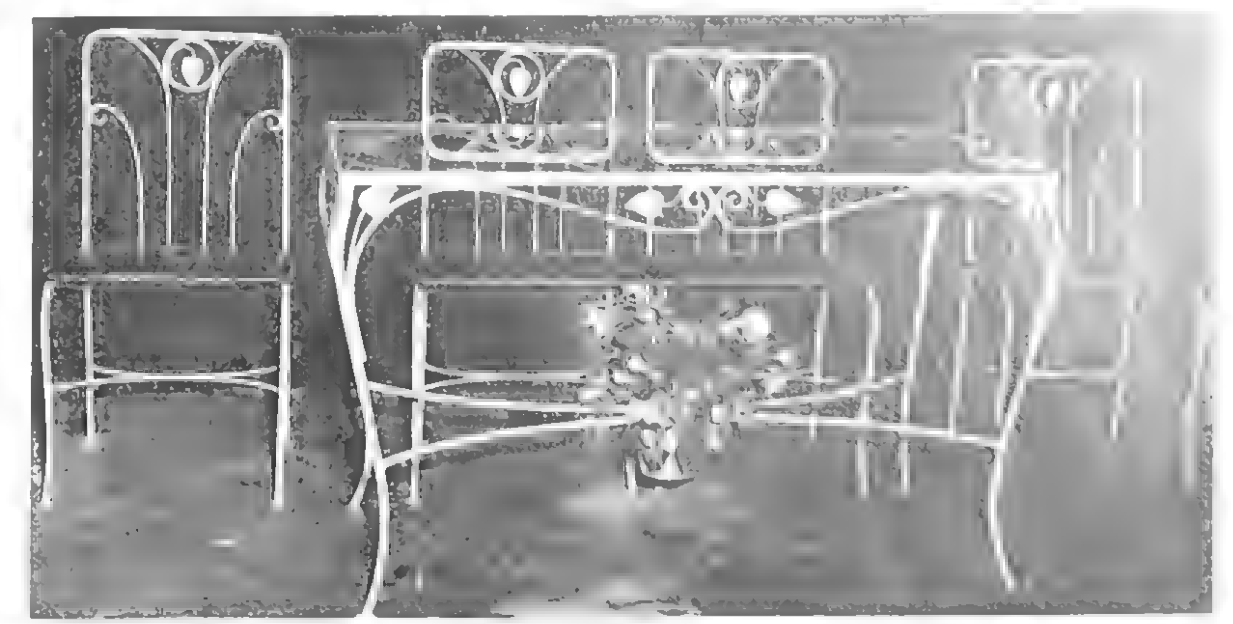
(Postage Extra)



## BARBECUE GRILL

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Shipping wt. 90 lbs., each, F.O.B. Dallas ..... **\$49.50**





# PLANT FOOD AND FERTILIZERS • SPREADERS

## Amazing Results

**MARKET GARDENERS** testify that tomatoes . . . cantaloupes, watermelons, in fact all vegetables, get to market quicker, weigh more and are more uniform when Vigoro-fed. In other words, Vigoro will make more profit for the commercial vegetable grower.

**HOME GARDENERS** have found real garden success through using Vigoro for thick velvety lawns, luxuriant flowers, fresh luscious vegetables.

**SUCCESS IN GARDENING IS THE RESULT OF CAREFUL PLANNING, GOOD CULTURAL PRACTICE AND COMPLETE FEEDING . . .**



## Vegetables Have More Vitamins

**MORE NUTRITIOUS** are vegetables that receive the right plant food. The soil should be enriched to supply these foods, by the use of Vigoro. This clean, odorless, sanitary and easy-to-use concentrated plant food has ALL the vital elements that plants require.



## VIGORO SPREADERS

for  
Useful  
Year  
Round

**FEEDING and SEEDING**

**VIGORO CAN BE APPLIED** by hand or with a kitchen colander. However, you will find greater economy and better results with a special Vigoro Spreader which assures uniform application and makes quick work of any feeding or lawn seeding job.

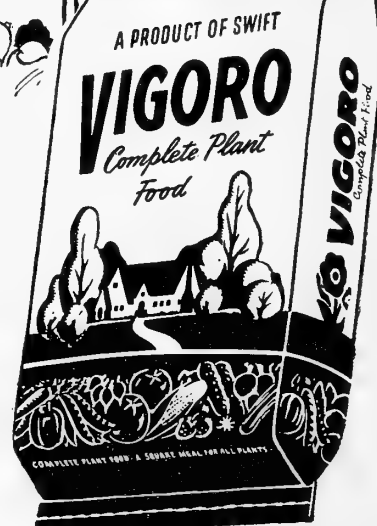
**Model B-15**—Spreading width 14", capacity 15 lbs., feeding rate adjustment and forced feed mechanism, 7" steel disc wheels, shipping wt. 11 lbs., . . . \$3.75

**JUNIOR 115**—Spreading width 16", capacity 30 lbs., feeding rate adjustment and forced feed mechanism, 9 1/4" double disc steel wheels with 1 1/4" tread

solid rubber tires, shipping wt., 23 lbs. . . . \$8.50

**Standard 215**—Spreading width 24", capacity 75 lbs., feeding rate adjustment and forced feed mechanism, 12" double disc steel wheels, shipping wt. 50 lbs. . . . \$18.50

**All Vigoro Spreader Prices F.O.B. Dallas**



## FEED EVERYTHING YOU GROW!

Flower and Vegetable gardens, to yield big gorgeous blooms or tasty mineral-rich vegetables need regular feeding with

**VIGORO**  
Complete Plant Food

**VIGORO (4-12-4)** East of 100th Meridian West of 100th Meridian  
**Delivered Prices:**

The 100th Meridian is approximately on a North-South line from Wellington to Eagle Pass, Texas.

5 Lb. Carton	.45	\$ .45
10 Lb. Carton	.85	.85
25 Lb. Bag	1.50	1.75
50 Lb. Bag	2.50	3.00
100 Lb. Bag	4.00	5.00



## GOOD NEWS!

Vigoro, the complete, 11-element plant food is now available in handy tablet form for house plant and window box use. Order a box—24 tablets 10c.

**VIGORO TABLETS**  
A Product of Swift



## OTHER FERTILIZERS and SOIL CONDITIONERS

### FERTILIZERS:

	1-9 Lbs.	10-49 Lbs.	50-99 Lbs.	Price Per 100 Lbs.
Sheep Fertilizer	.05	.04	.03 1/2	\$ 3.50
Interstate Mineral Supplement—90% Bone Meal	.10	.08	.06	4.31
Blood Meal	.12 1/2	.10	.08	7.50
Red Steer, 4-12-4 Commercial Fertilizer	.05	.03	.02 1/4	1.96
Red Steer, 6-8-4 Commercial Fertilizer	.05	.03	.02 1/2	2.10
Super Phosphate, 20%	.05	.03	.02	1.54
Nitrate of Soda, 16%	.05	.03	.02 1/2	2.22

### SOIL CONDITIONERS:

	1-9 Lbs.	10-49 Lbs.	50-99 Lbs.	Price Per 100 Lbs.
Aluminum Sulphate	.10	.07 1/2	.05	4.50
Copper Sulphate (Blue Stone)	.20	.18	.17	15.00
Iron Sulphate (Copperas)	.10	.08	.05 1/2	4.75
Sulphur, Soil Conditioning	.05	.04	.03	2.65

**Prices F.O.B. Dallas**



# SOIL IMPROVERS - PLANT FOODS

## Soil Test Kits



### THE GOOD EARTH—or is it?

Simple Soil Test Kits, for Nitrogen, Phosphorus, Potash and Acidity with which everyone can make tests of soil and determine from them the fertility of any given plot of ground, then supply the deficiencies in proper proportions.

Model	Individual Tests in Kit	Price
Home Gardener .....	20.....	\$ 2.00
New Jr. Model .....	50.....	4.75
Professional Model .....	200.....	22.50
Horticultural .....	125.....	9.75
Kit for Acid-Alkaline tests only .....	1.00	

Refill Soil Test Solutions

1/2 Oz. 30c—2 Oz. 75c—6 Oz. \$1.50  
Prices Postpaid

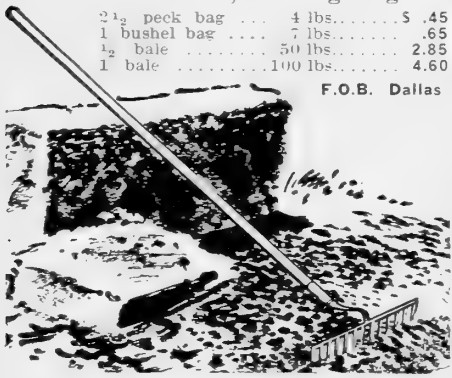
## Peat Moss

Moisture, not heat, makes tropic growth lush—

Peat Moss absorbs 12 to 15 times its own dry weight in water.

Peat Moss on the lawn, in the flower bed, around the shrubs, holds the moisture supply in the soil. In summer the hot rays are unable to penetrate a layer of peat, roots do not dry out, weeds are checked, moisture is saved. In winter plants are mulched to prevent alternate thaws and freezes, for sudden changes of temperature damage roots seriously and often fatally. Its wise to mulch with Peat Moss both summer and winter.

One bale covers about 300 sq. ft., one inch deep. Shipping weight approximate, since moisture varies, affecting weight.



## Sphagnum Moss

1 lb. 40c—1 bale (approx. 20 lbs.) \$3.50  
F.O.B. Dallas

## TRANSPANTONE

Reg. U. S. Pat. Off.

Reduces Loss in Transplanting

1 oz. makes 100 gallons solution. Use on all kinds of flowering plants, vegetable plants, shrubs, seedlings or trees when planting.

1/2 oz. 25c—3 oz. \$1.00—1 lb. \$4.00  
Postpaid

## ROOTONE

Reg. U. S. Pat. Off.

For Cuttings, Seeds and Bulbs

Cuttings treated with Rootone, root in a much shorter time, heavier root systems are formed and fewer cuttings die.

Bulbs, Flower Seeds, Vegetable Seeds, Grass and Clover Seeds dusted with Rootone germinate quicker and root growth is faster and heavier.

1/4 oz. 25c—2 oz. \$1.00—1 lb. \$5.00—  
Postpaid

No. 10 Rootone (for use on woody cuttings only) 1 lb. \$10.00—Postpaid

## FRUITONE

REG. U. S. PAT. OFF.

For stopping premature drop of flowers, fruit and leaves of Apples, Pears, Plums, Peaches and Tomatoes.

2/5 oz. .... \$ .25  
2 oz. .... 1.00

## Fix YOUR TOMATO PLANTS

### BIGGER CROPS

EARLIER — LARGER — FIRMER  
MORE FLAVORFUL—  
MORE UNIFORM

### SEEDLESS TOMATOES

Set early tomato blooms and get 20% to 30% additional crop with FIX. Large, well-shaped seedless fruit. Also melons, cucumbers, squash. Newest achievement of agricultural science!

20 TABLETS... 25c  
MAKES 20 QUARTS

100 TABLETS \$1.00  
MAKES 100 QUARTS

500 Tablets.... \$4.50



## Hyponex Plant Food

for  
SOIL or WATER CULTURE

A complete and balanced plant food Nitrogen 7%, Phosphoric Acid 6%, Potash 19%—a clean, odorless soluble powder. For soil or water culture. For house plants and all kinds of garden plants. Reduces shock of transplanting. 1 teaspoonful of HYPONEX PLANT FOOD makes 1 gallon of solution.

1 oz. 10c—3 oz. 25c—1 lb. \$1.00  
Postpaid

## PRIZE RESULTS!

with Vegetables & Flowers

DOUBLE DUTY  
DIET FOR  
HOUSE PLANTS

and garden flowers. Pre-war formula available now—11% Nitrogen, 15% Phosphorus, 20% Potash. These clean white odorless tablets grow gorgeous foliage on house plants, quantities of blooms in the garden, and finer vegetables. Each tablet is a FULL MEAL of rich plant food plus essential Vitamin B1.

30 Tablets. 25c      200 Tablets \$1.00  
75 Tablets. 50c      1000 Tablets 3.50  
Postpaid

## FULTON'S PLANTABBS

HELP EVERYTHING GROW BETTER

## Thompson's VITAMIN B<sub>1</sub> PELLETS

(Newest and most powerful form of Vitamin B Complex)



## NEW VITAMIN B-1 "PLUS" PELLETS

Vitamin B-1 plus Pantothenic Acid, Vitamin B-6, Vitamin B-2 (G or Riboflavin), and Nicotinic Acid. All the known Vitamin B-Complex Factors. One 1 milligram Pellet makes from 40 to 50 gallons B-1 Plus solution at a cost of 1/2c or less per 20 gal. Use regularly for real garden success.

100 Pellets ..... \$1.00  
20 Pellets ..... .25

Postpaid



## Food For Cut Flowers

Adds days more life and beauty to cut flowers.

Retards Wilting—  
Prevents Fading—  
Maintains Fragrance—

Packet (makes 2 qts. solution) ... \$ .10

Package (makes 30 qts. solution) .. 1.00

Postpaid

**FOR BETTER STANDS OF COTTON,  
PEANUTS, VEGETABLES**

### SEMESAN

**For Vegetable and Flower Seeds  
and Bulbs**

**SEMESAN** may mean the difference between a thriving, productive vegetable and flower garden—or a poor one. Dusted on seeds and bulbs or used in solution with water, as a dip. **SEMESAN** reduces seed decay and seedling blight, generally increases germination, plant vigor and productiveness.

**Ask for your copies of free Vegetable and Flower Pamphlets.**

**1/3 Oz. Packet, treats 5 to 10 pounds of seed, 10c; 2 Oz. 40c; 12 Oz. \$1.88; 4 Lbs. \$9.10—Prices F.O.B. Dallas**

**SEMESAN JR.**—For Seed Corn, both field and sweet, reduces seed rotting, checks seedling blight and certain seed borne rots of root and stalk. **Semesan Jr.** costs less than 2c per acre—yields increased 4 bushels per acre in tests. 1½ ounces treat one bushel.

**1½ Oz. 15c—12 Oz. 56c—6¼ lbs. \$3.75—25 Lbs. \$12.50—100 Lbs. \$45.00 F.O.B. Dallas**

**SEMESAN BEL** — Dip Disinfectant for potatoes. In tests at an average cost of 21c per acre, **Semesan Bel**, by reducing seed piece decay, seed borne scab and Rhizoctonia and bacterial ring rot or wilt, increased the average yield 13.6%. One pound treats 60 to 80 bushels of seed.

**2 Oz. 30c—1 Lb. \$1.65—4 Lbs. \$5.70 F.O.B. Dallas**

### Tersan

**For Golf and Lawn Turfs**

Fungicide for brown patch control. Effective, safe, well tolerated by turf; easily applied, does not retard growth of turf.

**8 Oz. 80c; 5 Lb. Can \$6.45; 25 Lb. Drum \$30.00—100 Lb. Drum \$115.00 Prices F.O.B. Dallas**

**Save WASTED WEEDING HOURS**



Destroys weed pests right down to the root tips so they will never grow again! Weedicide is sure death to Poison Ivy, Poison Oak, Jap Honeysuckle, Bindweed, Canada Thistle, etc.



**WEEDICIDE**  
2, 4-dichlorophenoxyacetic acid

Postpaid

### Ammate Weed Killer (AMMONIUM SULFAMATE)

Ammate generally effects a permanent kill on many noxious weeds, also on woody, perennial vines or shrubs.

Ammate is effective for spot treatment of crab grass, dandelions, etc. in lawns. One pound makes one gallon of solution.

**2 lb. pkg. .... \$ .75  
6 lb. pkg. .... 1.80  
Prices F.O.B. Dallas**



## DUPONT SEED DISINFECTANTS A TREATMENT FOR EVERY MAJOR CROP

**PENNIES PRODUCE DOLLARS**



**THROUGH**

**C  
H  
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**INOCULATION FOR LEGUMES**

Culture Group	To Inoculate	Price
<b>A—ALFALFA</b>		
—CLOVERS		
Sweet Bur,	1 Bu. ( 60 lbs.)	.50
Hubam	2½ Bu. (150 lbs.)	1.00
<b>B—CLOVERS</b>		
Red, Hop, Subterranean, Alsike, Crimson, White Dutch	1 Bu. ( 60 lbs.)	.50
	2½ Bu. (150 lbs.)	1.00
<b>C—VETCH, PEAS</b>		
Austrian	100 Lbs.	.50
Canadian	1200 Lbs.	5.70
English, Sweet		
<b>D—BEANS</b>		
Snap, Wax	1 Bu. ( 60 lbs.)	.35
Kidney		
<b>E—COWPEAS</b>		
PEANUTS	Up to 120 lbs.	\$.30
BEANS, Lima,	5 Bu. ( 300 lbs.)	.55
Velvet, Mung	25 Bu. (1500 lbs.)	2.50
CROTALARIA	30 Bu. (1800 lbs.)	3.25
KUDZU		
<b>L—LESPEDEZA</b>		
All kinds	100 Lb. Size	.50
<b>S—SOYBEANS</b>		
All kinds	Up to 120 lbs.	.30
	5 Bu. ( 300 lbs.)	.55
	25 Bu. (1500 lbs.)	2.50
	30 Bu. (1800 lbs.)	\$3.25
<b>GARDEN SIZE NITRAGIN</b>		
English and Sweet Peas	Up to 6 lbs.	.10
Snap and Lima		
Beans—Lupines		

**Prices Postpaid**

### Acme Weed Killer

For destroying all plant life on driveways, tennis courts, etc. Sterilizes soil. Dilute 1 to 50.

**Pint 35c—Qt. 55c—Gal. \$1.60—5 Gals. \$6.00—F.O.B. Dallas**



**FOR BETTER YIELDS OF FIELD AND  
GARDEN CROPS**

### NEW IMPROVED CERESAN

5%—Generally controls seed borne diseases, smuts, and reduces root rots and seedling blights. Use 1 lb. to 32 bushels of Barley, Oats, Wheat, Sorghums, Flax. For Peas 1 lb. treats 16 bushels. For Cotton 1 lb. treats 12 bushels.

**4 Oz. 30c—1 Lb. 80c—4 Lbs. \$2.70—8 Lbs. \$5.40—25 Lbs. \$15.00—100 Lbs. \$55.00—F.O.B. Dallas**

### 2% CERESAN

For Cotton, reduces seed rotting and damping off and gives more uniform stand with less seed. In 40 tests 2% Ceresan increased the average stand 30.8% after chopping and increased the average yield 16.4%. Cotton states report profit increases from \$5.73 to \$13.08 per acre, through use of 2% Ceresan. 1 pound treats 5 to 8 bushels.

**1 Lb. 75c—4¾ Lbs. \$3.14—25 Lbs. \$14.50—100 Lbs. \$52.00—F.O.B. Dallas**

### ARASAN

A superior and entirely new seed corn disinfectant which is highly recommended by Agricultural Experiment Stations. It is equally effective in protecting seed and increasing stands and yields of peanuts and vegetables.

Treating seeds with Arasan protects against seed rot and enables seed to germinate normally and produce healthy, vigorous sprouts and plants and reduces losses from damping off.

For Corn ¾ oz. Arasan to a bushel of seed corn. For Peanuts 2 oz. Arasan to one hundred pounds of shelled or 3 oz. Arasan to one hundred pounds unshelled peanut seed. For vegetables 1/3 to 2/3 level teaspoonful Arasan to one pound seed (depending on variety).

**1 Oz. 16c—8 Oz. 80c—4 Lbs. \$5.16—25 Lbs. \$30.00—100 Lbs. \$115.00 F.O.B. Dallas**

### Stanley's Crow Repellent (Non-poisonous)

**½ Pt. Protects 1 Bu. Seed Corn**

Keeps crows and other birds, insects and rodents away from seeds and protects seeds from rotting in the ground. Corn growers use it at a cost of only 10 or 12 cents per acre. Market gardeners use only a teaspoonful to a pound of average garden seed to protect both seeds and young plants. You may treat with Semesan in advance, then apply Stanley's Crow Repellent just before planting.



**Postpaid Prices**

**½ Pint ...\$ .60    Pint ..... 1.00  
Quart ..... 1.75**

### Zinc Sulphate

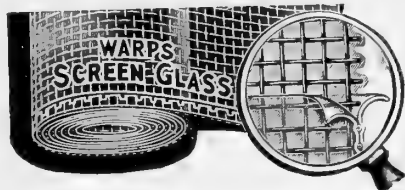
Used with Arsenate of Lead and Sulphur for spraying pear and peach trees to control certain fungus diseases.

To control curculio (worms) in peaches and plums, also brown-rot and scab, mix 5 lbs. of wettable sulphur, 3 lbs. of zinc sulphate, 3 lbs. hydrated lime, and 1 lb. of arsenate of lead to 50 gallons of water. Where the annual rainfall is less than 30 inches do not use zinc sulphate in the spray mixture. Dissolve the zinc in spray tank. Add the lime as a thin creamy paste, to a Add the lime as a thin creamy paste, to a ingredients.

**Lb. .... 15c    3 lbs. .... 40c  
25 lbs. .... \$3.00  
F.O.B. Dallas**

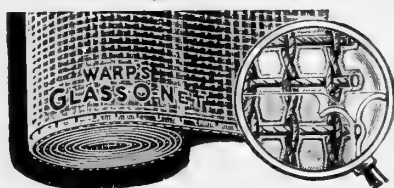
# GLASS SUBSTITUTES - Planters - Sowers - Hotkaps

## Warp's SCREEN-GLASS



Plastic covered wire screen, layer built to give longer service.  
36 inches wide Wt. F.O.B. Dallas  
Square Yard ..... \$ 1.35  
Roll of 50 lin. ft., 23 lbs. .... 21.00  
Roll of 100 lin. ft., 44 lbs. .... 42.00

## Warp's GLASS-O-NET



Mesh Base Glass Substitute.  
Plastic covered waterproofed cords. Used where transparency is important.  
36 inches wide wt. F.O.B. Dallas  
Square Yard ..... \$ .65  
Roll of 25 yds., 10 lbs. .... 14.25  
Roll of 50 yds., 18 lbs. .... 28.50

## Warp's WYR-O-GLASS



Wire Base Glass Substitute.  
Plastic Covered galvanized 1/4" mesh wire. Extremely tough and very transparent.  
36 inches wide Wt. F.O.B. Dallas  
Square Yard ..... \$ .90  
Roll of 25 sq. yds., 14 lbs. .... 20.25  
Roll of 50 sq yds., 28 lbs. .... 40.50

## Thompson's Wheelbarrow Seeder



**No. 11 Single Hopper Seeder.** 14 ft. sows all seeds like Alfalfa, Clover, Bermuda Grass seed and other grasses of similar size. Wt. 45 lbs.—Ask for price.  
**No. 12 Double Hopper Seeder,** 14 ft. Sows all seeds like Clover, Bermuda Grass, Alfalfa and chaffy seeds like Red Top and clean Kentucky Blue Grass. Weight 45 lbs.—Ask for price.  
F.O.B. Dallas

## Glass Substitutes

Transmit over 60% of beneficial Ultra Violet Rays. (Vitamin D, the Sunshine Vitamin.)

Are good insulators. Help to keep out cold and to keep heat in.

Retain humidity. Help to keep temperature and humidity more uniform.

Are easy to clean and will stay clean longer. Just wipe with damp cloth.

Are economical. Installation and replacement costs are low.

Are easy to install. Cut to size with shears and nail down with wood strips.

Give lasting service. Do not become discolored or brittle with age.



Extra eggs, or ideal for chicks saved in a few days. Hotbeds that grow plants quicker and stronger to transplant. Easily nailed up for Barn, Poultry house, Hog House or Garage. Windows.

## Hotkaps



HOTKAPS eliminate weather and insect damage. These patented wax paper cones form miniature hot houses over each plant, promote sturdy growth and bring crops to maturity two to three weeks earlier, thus getting premium prices. Inexpensive to buy. Easy to set out. One man can place 2000 or more per day.

Hotkaps Wt.	Price	Hotkaps Wt.	Price
5000 140 lbs.	53.75	* 100 5 lbs.	\$ 1.95
1000 28 lbs.	\$11.00	* 25 2 lbs.	.50
* 250 9 lbs.	3.50	Fibreboard Setter	.15
		Steel Setter,	
		4 lbs. ....	1.35

\* Furnished with Fibreboard Setter  
Prices F.O.B. Dallas

## Corn Planter



No. 306  
Saves  
Time—  
Plants  
Evenly—  
Adjustable—  
Weight  
5 Lbs.  
F.O.B.  
Dallas  
\$1.65



## Cyclone Seed Sower

For Clovers, Alfalfa, Grasses, Oats, Wheat or any other seed that is sown broadcast. The "Cyclone" will sow many acres per hour, any amount to the acre, with a uniform flow of seed. Throws equal

amounts to equal distances on each side of the operator. Directions and feed adjustment scale with each sower.  
Delivered Price ..... \$2.75

## Genuine Extra Heavy FLEX-O-GLASS



### The Leading Window Material

Lets through more healthful Ultra-Violet Rays than other substitutes (clear across the spectrum) as proved in various authentic tests, and holds in heat better than glass.

Absolutely Waterproof — Unbreakable. Has 124 strong, preshrunk threads per square inch. Impregnated with extra high M. P. Composition that will not run, discolored or melt in a window.

### Extra Heavy—Extra Durable.

Guaranteed 2 years by the manufacturer.  
36 inches wide Wt. F.O.B. Dallas  
Square Yard ..... \$ .40  
Roll of 25 sq. yds., 16 lbs. .... 8.75  
Roll of 50 sq. yds., 32 lbs. .... 17.50  
Roll of 100 sq. yds., 56 lbs. .... 35.00

## RED VI-O-TEX

Admits Ultra-Violet Rays to help mature chicks faster. Makes red objects appear colorless, to stop cannibalism.

36 inches wide Wt. F.O.B. Dallas  
Square Yard ..... \$ .45  
Roll of 25 sq. yds., 14 lbs. .... 10.00  
Roll of 50 sq. yds., 27 lbs. .... 20.00



### ALL PURPOSE WINDOW MATERIAL

R-V-Lite is flexible, light in weight and easy to handle. Low initial cost, low cost of installation or replacement.

R-V-Lite is more effective than glass in storm doors and windows, through superior insulating quality. Users report savings in heating costs. Keeps out cold, holds heat in, helps maintain uniform temperature and humidity. Protects plants, vegetables and flowers from extreme temperature changes.

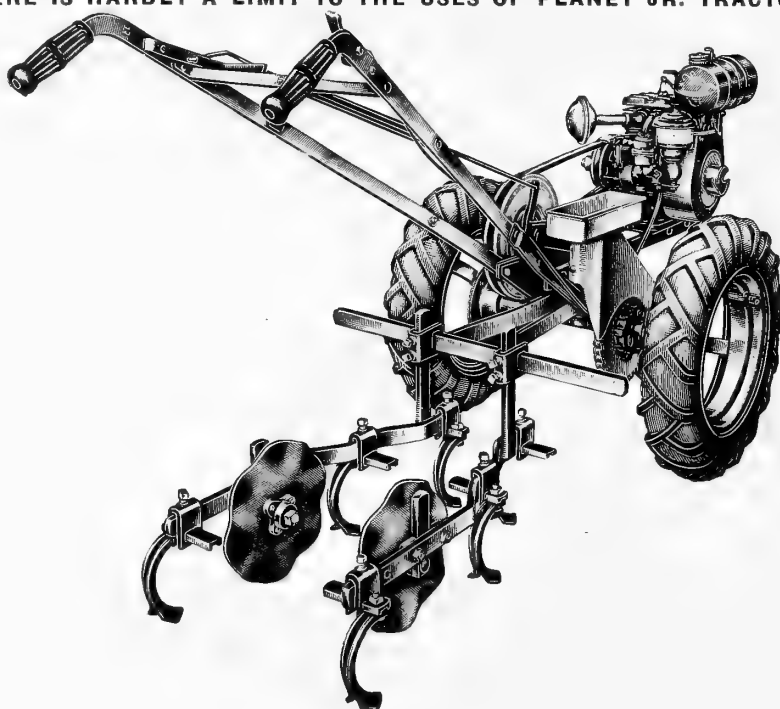
F.O.B. Dallas  
Square Yard ..... \$ .65  
Roll of 50 ft. wt. 6 lbs. .... 9.25  
Roll of 150 ft. wt. 17 lbs. .... 27.65

# Planet Jr. Garden Tools

## PLANET JR. TRACTORS

THERE IS HARDLY A LIMIT TO THE USES OF PLANET JR. TRACTORS

Plowing and preparing the ground, planting, fertilizing, cultivating, dusting, mowing, hauling, sawing wood, pumping water, etc. All are part of the work Planet Jr. will lighten for you. So whether you are a general or specialty farmer, flower or vegetable gardener, nurseryman or florist, home owner or poultry raiser, Planet Jr. has something for you.



The Planet Jr. is furnished with either a 1 1/2, 3 or 4 1/2 horse-power motor and either steel or rubber-tired wheels. Additional equipment is available such as: Disc and Spring Tooth Harrows; Seeders; Mould Board Plows; Cultivating Equipment and Field Mower. Please write for further information and complete tractor catalog.

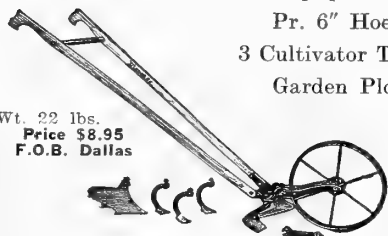
	Tires	Wt. Lbs.	F.O.B. Dallas
Planet Jr. Tractor—B-1, 1 1/2 H. P. ....	4.00x12 Rubber	251	\$162.50
Planet Jr. Tractor—HT .....	5.00x16 Rubber	551	3 H.P. 4 1/2 H.P. 345.90 370.90
Planet Jr. Tractor—HT .....	5.00x16 Rubber	567	351.25 376.25
Planet Jr. Tractor—BHT .....	5.00x21 Rubber	579	361.50 386.50

### PLANET JR. HOE

#### No. 17 Single Wheel Hoe

Equipment:  
Pr. 6" Hoes;  
3 Cultivator Teeth;  
Garden Plow

Wt. 22 lbs.  
Price \$8.95  
F.O.B. Dallas



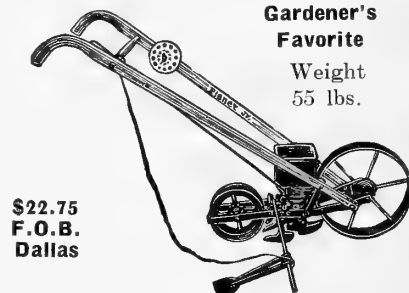
### Let Planet Jrs. Do Your Work, While You Walk Along

Cultivating a garden without a Wheel Hoe and Seeder is so much harder and takes so much longer, it doesn't pay. A Planet Jr. Wheel Hoe and Seeder does the work in a fraction of the time and with a minimum of effort.

### PLANET JR. SEEDER

#### No. 300A Seeder

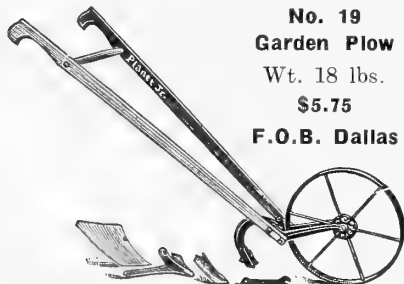
The Market Gardener's Favorite  
Weight  
55 lbs.



\$22.75  
F.O.B. Dallas

### PLANET JR. PLOW

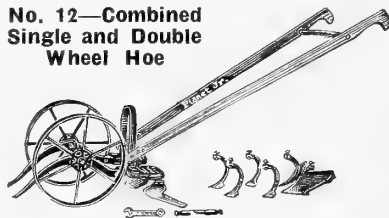
No. 19  
Garden Plow  
Wt. 18 lbs.  
\$5.75  
F.O.B. Dallas



Equipment: 2-inch Cultivator Tooth; 10-inch Sweep; 1 Plow.

### PLANET JR. HOE

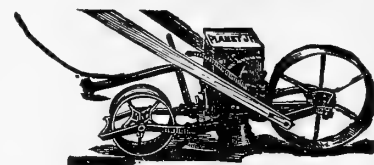
No. 12—Combined  
Single and Double  
Wheel Hoe



Wt. 32 lbs. Price ..... \$12.95  
F O.B. Dallas

Equipment: Pr. 6" hoes; 4 cultivator teeth; pair plows; 2 leaf lifters.

### PLANET JR. SEEDER



#### No. 4D—Planet Jr. Seeder

Wt. 41 Lbs.

\$16.75

F.O.B. Dallas



# HOSE AND HAND SPRAYERS - CRANK DUSTER

## ARNOLD Garden Hose Sprayer



### MAKES SPRAY TIME—PLAY TIME Avoids Messy Drudgery

Just insert an Arnold Insecticide Cartridge, attach the sprayer to your garden hose, turn on the water and spray effectively.

**Arnold Sprayer**—Chromium plated, transparent cartridge chamber, Wt. 2 lbs. .... \$4.00  
**36 Inch Extension**—Angle or straight chromium plated for "tall" spraying. Wt. 1 lb. Ea. \$1.75  
**Parts**—Transparent Cartridge Chamber with threaded metal ends ..... \$1.25

### ARNOLD INSECTICIDE CARTRIDGES For aid in controlling Insects and Plant Diseases as Listed

**Nic-O-Spray**—Leaf Hopper, Mealy Bug, Aphid, all sucking insects.

**P-R**—For control of such sucking and chewing insects as Aphid, Rose Beetles, Red Spider, Canker Worm, Lawn and Sod Worms, etc.

**Arsen-O-Spray**—Bag Worms, Codling Moths, Cut Worms, etc.

**Funguspray**—Fungus, Molds and Black Spot.

**Sulph-O-Spray**—Mildew, Rust, and Rot.

**Vitamin B1 Cartridges**—Stimulates root and stem growth and bloom.

**DDT**—Cucumber beetle, Potato Beetle, Bagworm, Tent Caterpillar, Fruit Moth, Rose Weevil, Squash bug and certain other insects.

**Rot-O-Spray**—For Chewing Insects. Acts as both stomach and contact poison.

**Pyr-O-Spray**—A contact spray for use against Leafhopper, Mealy Bug, Aphid and other sucking insects.

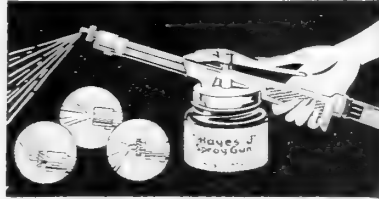
Cartridge weight, per dozen, 2 lbs.

Each 35c—Box of 12, \$4.00

All prices on Arnold Sprayers, Attachments and Cartridges Postpaid

Ask for Arnold Complete Spray Chart

## Hayes Jr. Spray Gun



Works on the same principle as the Hayes-Ette. Attach to garden hose, put concentrated insecticide in the jar, turn on the water and spray up, down or sideways, with effective pressure. Makes 3 gallons full strength spray. Has easy lever control; long barrel for hard-to-reach places.

Priced \$5.95 Postpaid

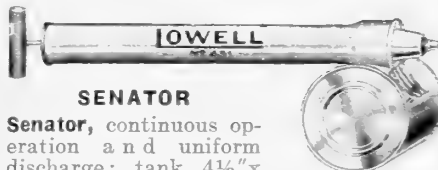
## Hayes-Ette Garden Hose Sprayer



New self-mix Garden Hose Sprayer that is compact, light in weight, economical. Weighs little over a pound filled. Concentrated insecticide in bottle is automatically mixed with right amount of water for discharge under pressure. One bottle makes 1½ gallons effective spray. Made of non-corrosive metals.

Prices \$2.95 Postpaid

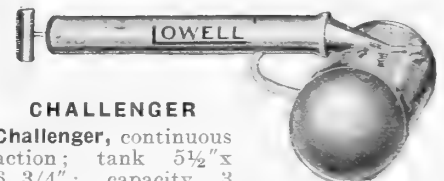
## Lowell Continuous Sprayers—2 Sizes



### SENATOR

**Senator**, continuous operation and uniform discharge; tank 4½"x 4½"; capacity 1 qt.; pump 1½" diameter, 13" long; heavy plunger rod with treated leather; supply tube and nozzle can be removed for cleaning; wt. 2 lbs.

No. 431—Each ..... 70c—F.O.B. Dallas



### CHALLENGER

**Challenger**, continuous action; tank 5½"x 6 3/4"; capacity 3 qts.; pump 1½" diameter, 14" long; heavy plunger rod, treated leather; adjustable nozzle. Wt. 3 lbs.

No. 215G—Each .. \$1.40—F.O.B. Dallas

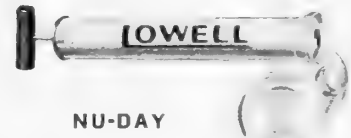
## Lowell Atomizers—2 Sizes



### IDEAL

**Ideal** is convenient type for home and small garden use. Capacity 1 quart. Pump 1½"x13" long. Wt. 1½ lbs.

No. 235—Each ..... 50c  
 F.O.B. Dallas



### NU-DAY

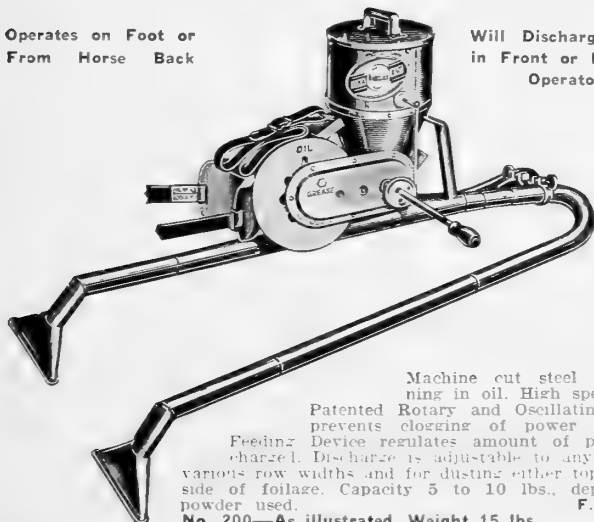
**Nu-Day** — Tank capacity is 1 pint. Pump 1½" diameter by 10" long. Wt. 1 lb.

No. 265—Each ..... 40c  
 F.O.B. Dallas

## Dobbins Crank Duster

FOR DUSTING COTTON AND ALL LOW GROWING CROPS

Operates on Foot or  
 From Horse Back



Will Discharge Dust  
 in Front or Rear of  
 Operator

Machine cut steel gears running in oil. High speed blower. Patented Rotary and Oscillating Agitator prevents clogging of power in hopper. Feeding Device regulates amount of powder discharged. Discharge is adjustable to any angle, for various row widths and for dusting either top or underside of foliage. Capacity 5 to 10 lbs., depending on powder used. F.O.B. Dallas  
 No. 200—As illustrated. Weight 15 lbs. .... \$14.30

## Harco Sprayer

EFFICIENT AND  
 EASY TO USE

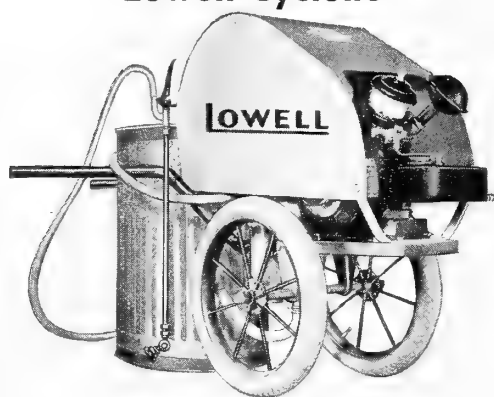


Simply squeeze pump handles together, there's just the spray you want, where you want it, up, down, sideways, without adjustment. Long extension rod penetrates hard-to-reach places. Fits standard Mason Jars. Keep several sprayer solutions in different jars ready for instant use without waste.

Complete \$2.35  
 Postpaid

# POWER AND HAND SPRAYERS AND DUSTERS

## Lowell Cyclone



**Power Operated**

Tubular steel frame. Twin wheels, 16" in diameter with 2" rubber tires. 18 gallon, corrugated, galvanized steel tank. Pump with brass lined cylinder, and adjustable relief valve. Operates at 200 lbs. pressure. Width 18 inches, length 58 inches. Furnished with 10 ft. 3/8" hose; 24 inch brass extension, adjustable nozzle. All brass shut-off which can be locked open for continuous spraying.

No. 644, Wt. 153 lbs. .... \$127.35  
F.O.B. Dallas

## Lowell Compressed Air Sprayers

**Lowell Streamer**—Compressed Air Sprayer has 3 3/4 gallon capacity, is of superior construction; will handle all insecticides, disinfectants, fungicides, whitewash and cold water paints. Tank 7 1/4" diameter, 21" high, 3 3/4 gal. capacity. Galvanized; securely welded, riveted and soldered. Pump 1 3/4" diameter, 14" long, locks securely to top; spray hose 24"; 2 ft. brass extension; carrying strap. Shipping wt. 13 1/2 lbs. Price, F.O.B. Dallas

No. 94G ..... \$6.25

**LOWELL PENNANT** — 4 gal. Compressed Air Sprayer easily cleaned and quick filling. Seamless brass pump locks securely to top of tank. Easily removed. Furnished with 24" hose, 24" brass extension and carrying strap.

No. 46G, Wt. 13 1/2 lbs. .... \$7.50  
F.O.B. Dallas

**LOWELL JUNIOR** — 2 1/2-Gallon Compressed Air Sprayer; has all advantages of larger sprayer, but smaller and lighter in weight. Shipping wt. 9 lbs.

No. 24G ..... \$5.90  
Price, F.O.B. Dallas

## Lowell Dusters



**THE WARRIOR**—(Illustrated)—is designed for use in gardens, homes, dairy barns, poultry houses, etc. Will handle all powdered insecticides. Made of heavy tin.

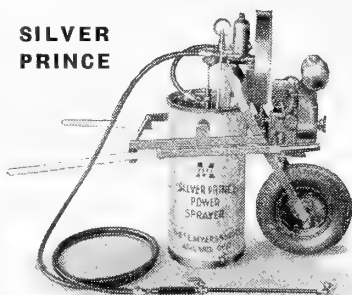
No. 465, Wt. 1 3/4 lb. .... \$1.00

**THE ADMIRAL** will handle any insecticide dust and apply it in any quantity wanted. Plunger removable for oiling or inspection.

No. 765, Wt. 2 lbs. .... \$1.40  
F.O.B. Dallas

## Wheelbarrow Sprayers

**SILVER PRINCE**

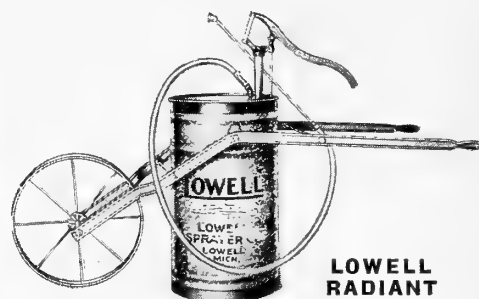


**POWER OPERATED**

For Greenhouses, Estates, Golf Courses, Gardeners, Poultrymen, Orchardists. All Steel frame, 12 1/2 gallon galvanized tank. Porcelain lined, double acting pump with air chamber and relief valve. Ball and Bronze Bearings. Operates at 225 lbs. pressure.

Furnished with pressure gauge; 15 ft. 3/8 inch hose with lever shut-off, 18 inch pipe extension and adjustable nozzle. Steel wheels.

No. 806 EGHS with 1/2 H. P. Gasoline engine, wt. 182 lbs. \$116.75  
F.O.B. Dallas

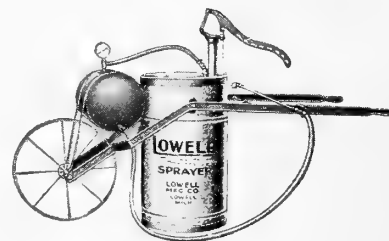


**LOWELL RADIANT**

12 1/2 gal. heavy galvanized tank. Steel frame, well braced; 16" wheel with 2 inch steel tire. Pump develops 200 lbs. pressure. Furnished with 10 ft. hose, 3 ft. brass extension angle spray nozzle. All brass shut-off which can be locked open for continuous spraying.

No. 736, Radiant, wt. 40 lbs. .... \$15.75  
F.O.B. Dallas

## Lowell Monarch



With pressure tank. 18 gallon, heavy, galvanized tank. Steel frame, reinforced with cross braces; 18 inch wheel with 2 1/2 inch steel tire. Pump with dasher type agitator. Develops 200 lbs. pressure. Steel pressure tank with 200 lb. pressure gauge. Furnished with 10 ft. iron pipe extension, angle spray nozzle. All brass shut-off valve which can be locked open for continuous spraying.

No. 735 Monarch, Shipping wt. 85 lbs. .... \$36.25

No. 734, Monarch. Same as 735 less pressure tank. Shipping wt. 70 lbs. .... \$23.75

F.O.B. Dallas

## Myers Barrel and Bucket Spray Pumps

**No. R305B Myers Barrel Spray Pump**—With cog gear handle, (increases leverage 33 1-3 per cent over plain handle), with both jet and mechanical agitators, with 15 feet of 1/2 inch 5-ply hose and Myers

graduating Vermorel nozzle (barrel not included). Shipping wt. 40 lbs.

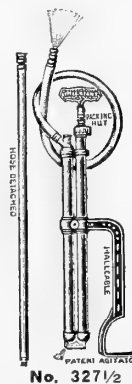
\$17.10

F. O. B. Dallas

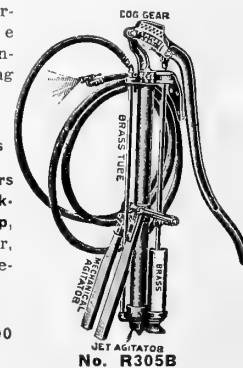
**No. 327 1/2 Myers Little Giant Bucket Spray Pump**, with jet agitator, complete with detachable hose.

Wt. 6 1/2 lbs .... \$5.00

F.O.B. Dallas



No. 327 1/2



No. R305B

## Myers Kwikfill Compressed Air Sprayers

—The concave top forms an 8" funnel

—just unscrew the pump, lift out and

pour in the liquid.

The pump is all

brass. Pump handle

locks down in position

to permit carrying.

4 gal. galvanized tank.

The discharge tube is

threaded to permit

easy removal and

cleaning of the

tank. Furnished

with 24" hose, lever

shut-off, 18" brass

extension tube.

carrying strap.



No. 2242, 16 lb. .... \$7.25  
F.O.B. Dallas

## Lowell Flame Sprayer

For the burning of rubbish, garbage refuse and stumps—the disinfecting of poultry houses, kennels, barns, etc. All possible with Lowell Flame Sprayer. 3 3/4 gallon galvanized tank. Seamless brass pump. Burner develops 2,000 degrees. 12 inch flat flame. Uses approximately 1 gallon per hour of Kerosene, 32-42 gravity distillate or stove oil. Has rigid carrying handle. Furnished with special high pressure oil resistant hose. Needle valve to regulate flow of liquid and air; 60 lb. pressure gauge on handle. Web carrying strap.

No. 20, Wt. 22 lbs. .... \$16.40  
F.O.B. Dallas



### ACME ROTENONE GARDEN GUARD

An ideal insecticide for the home garden. Dust or spray. The killing ingredient is Rotenone—non-injurious to human and warm blooded animals. Acts both as contact and stomach poison against a wide range of insects.

1 lb. sifter carton .38	5 lbs. ....	\$1.20
1 lb. pump gun .62	50 lbs. ....	8.10

### ACME GARDEN DURADUST WITH DDT

A ready to use fumigant and insecticide for control of certain garden insects and plant diseases. Very effective against Leaf Hopper, Corn Ear Worm, and Rose Chafer. Both contact and stomach poison.

1 lb. Sifter Top .39	4 lb. bags ....	.85
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### ACME PARIS GREEN

Strongest and quickest-acting of all arsenical insecticides. Used on hardy foliage such as potatoes, cotton, tobacco, and in insect baits where extreme measures are necessary.

1 lb. ....	.18	5 lbs. ....	2.35
1 lb. ....	.52	25 lbs. ....	10.00

### ACME ARSENATE OF LEAD

Is the widest used arsenical insecticide. Safe on tender foliage for the control of chewing insects on fruit trees, vegetables, tobacco, and many other plants. Controls grubs in lawns.

1 lb. ....	.33	4 lb. bag ....	.74
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### ACME RED RIVER POTATO MIX

Dust or spray. A scientific formula combining a patented copper fumigant with quick-killing arsenic. Kills potato bugs quicker—drives off flea beetle and leaf hopper—prevents blight—stimulates foliage.

1 lb. bag ....	.37	4 lb. bag ....	.89
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### ACME RED RIVER POTATO MIX WITH DDT

For Leaf Hopper, Potato Bug and Psyllid control.

1 lb. bag ....	.45	4 lb. bag ....	1.35
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### ACME LONDON PURPLE

A favorite arsenical insecticide for fifty years, now stronger and better than ever. London Purple assures complete coverage and excellent adhesion to the foliage. Recommended for use on potatoes, cotton, tobacco, sugar beets and many other plants and vegetables damaged by leaf chewing insects.

1 lb. ....	.15	4 lb. ....	.50
1 lb. ....	.31	100 lb. ....	11.00

### ROTENONE GARDEN SPRAY (NNOR)

See Sucking Insects.

### ACME TOMATO DUST

See Blight and Fungus.

### ACME VEGETABLE AND FLOWER GARDEN DUST

See Sucking Insects.

### ACME APHIS SPRAY

See Sucking Insects.

### ACME CALCIUM ARSENATE

Of great economy and efficiency for certain chewing insects. The accepted dust for boll weevil poisoning on cotton. Also recommended on hardy foliage of potatoes and certain vegetables.

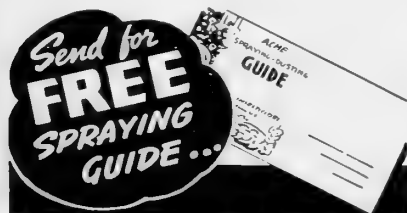
1 lb. ....	.25	4 lb. ....	.46
100 lbs. ....			\$9.20

### BAIT-M

For ridding premises of cutworms, sow bugs, grasshoppers, snails, slugs. Just scatter it on the ground. Not affected by rain or sprinkling; will not sour.

1 lb. ....	.25	2 1/2 lbs. ....	.50
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F.O.B. Dallas



### For SUCKING INSECTS

### ROTENONE GARDEN SPRAY (NNOR)

Containing Rotenone—kills most common garden bugs of both sucking and leaf eating types. You've got to wet them to get them. NNOR penetrates the waxy or hairy covering, brings the tremendous power of Rotenone into action.

1 oz. ....	\$ .35	16 oz. ....	\$ 2.15
6 oz. ....	1.00	Gal. ....	13.50

### ACME EMO-NIK

A valuable spray for the control of scale, red spider, mealy bug, white flies, rust mites, aphids and many other common insects. A complete contact insect spray combining nicotine in its most active form with Emo, a high quality summer oil emulsion. Practically odorless, when sprayed.

4 1/2 oz. ....	.35	Quart ....	.95
Pint ....	.65	Gallon ....	2.50

### ACME LIME SULFUR

A standard 33% Baume lime and sulphur converted into a dry powder having all the effectiveness of a liquid product when dissolved in water. For dormant spraying against scale, peach blight, leaf curl and twig borer. For summer spraying against scab, spot, blotch, red spider and mite.

1 lb. ....	.37	12 1/2 lb. bag ..	1.80
5 lb. ....	1.53	100 lb. bag ..	13.75

### ACME APHIS SPRAY

Combines a soft spray soap with Black Leaf 40. Recommended for aphid plant lice, thrip, leaf hopper and many more hardy insects infesting rose bushes, flowers, shrubs, vines, bushes, and trees.

3 oz. collapsible tube ..	\$ .35
12 oz. ....	1.00

### ACME VEGETABLE AND FLOWER GARDEN DUST

A dust or spray containing nicotine for many common varieties of sucking insects, and arsenicals for leaf eating insects for the home vegetable and flower garden.

1 lb. cartons ..	.40	4 lb. bags ....	1.25
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### ACME ROTENONE GARDEN GUARD

See Chewing Insects.

### ACME SPRAY SOAP

A fish oil soap effective by itself in destroying many sucking insects and lice on plants, trees, ferns, etc. Also extensively used with nicotine and other contact sprays to enhance their effectiveness.

1 lb. ....	.35	7 1/2 lb. ....	2.15
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### ACME EMO

A summer oil of fine quality. Contains no poison. Safe and pleasant to use. Enhances the verdant appearance of the foliage by adding a glossy lustre. Recommended to control white flies, rust mites, blister mites, mealy bugs, certain scale, and other insects.

8 oz. ....	.30	Quart ....	.70
Pint ....	.50	Gallon ....	1.95
5 Gallons ..			\$5.00

F.O.B. Dallas

### ACME SCIENTIFIC ROSE AND FLOWER SPRAY

A "system" of spray treatment for roses and flowers of all kinds. Eliminates guess work. Each set contains three separate items—A, B, and C—each scientifically made to combat one of the three major classifications of blight and insect pest. Mix all three together with water. Use regularly. Result—complete all-around protection. Surprisingly economical.

Sizes	Amount of Spray	Prices
No. 3 ..	12 qts. ....	\$ .95
No. 6 ..	24 qts. ....	1.50
No. 24 ..	96 qts. ....	4.00
No. 48 ..	192 gals. ....	6.00
No. 96 ..	384 gals. ....	9.75

F.O.B. Dallas



### ACME TOMATO DUST

Is especially prepared to control blight and worms preying on tomatoes. While specifically designed for tomatoes it also is equally effective in the control of leaf chewing insects and blight on many other vegetables such as potatoes, eggplants, beans and cabbage also many flowers as roses, azalea, evergreens, asters, and hollyhock.

1 lb. Sifter carton .35	4 lb. ....	.80
1 lb. pump gun ..		.55

### ACME KOPPER QUEEN (Mildew Spray)

Is a stainless liquid copper spray for the control of mildew, leaf spot, and black spot on rose bushes, flowers, and many other kinds of foliage. Leaves no unsightly residue. A liquid spray replacing Bordeaux Mixture and Sulphur.

1/2 Pint ....	.35	Quart ....	.90
Pint ....	.60	Gallon ....	2.25

### ACME BORDEAUX MIXTURE

Prevents large losses caused by blight, rot, mildew, scab, anthracnose, etc. Stimulates plant growth increasing the harvest. Almost every kind of vegetable fruit and shrub can be improved by Bordeaux spraying.

1 lb. ....	.32	4 lb. ....	.69
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### ACME KOPPER KING

The perfect spray or dust for control of tomato blight. Recommended for use wherever Bordeaux Mixture is used. Suitable for use as either dust or spray. Kopper King is a tri-basic copper sulphate—a modern development.

1 lb. ....	.31	4 lb. ....	.94
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### ACME WETTABLE DUSTING SULPHUR

Is an improved dusting sulphur for home use which can also be used as a liquid spray. Controls red spiders on evergreen, mildew, leaf spot, black spot, and rust on rose bushes, chrysanthemums, snapdragons, carnation, and certain other foliage. 98% passes through a 325 mesh screen.

2 lb. Sifter carton ..			\$ .30
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### ACME RED RIVER POTATO MIX

See Chewing insects.

F.O.B. Dallas

## Tree Protection

### ACME STOP

A sticky tree banding compound for use on trees, shrubs, and vines to prevent insects from crawling up to destroy foliage. Simplifies the spraying problem later. A gummy, sticky oil mass retaining stickiness over a long period. Easily removed from hands and tools with kerosene soaked cloth.

6 oz. ....	.35	7 1/2 lb. ....	4.00
1 lb. ....	.65	10 lb. ....	5.00

### ACME KOPPER SHIELD

A pruning and tree wound paint. An antiseptic treatment to prevent such diseases as European canker blights, hard rot, and certain other fungi from penetrating the wounds while the tree is naturally overcoming the shock. Covers twice as much surface as ordinary bituminous compounds.

1/2 Pint ....	.30	Quart ....	.75
Pint ....	.45	Gallon ....	2.32

F.O.B. Dallas

### HYDRATED LIME

For use with Arsenate of Lead to prevent burn when spraying Fruit and Ornamental trees.

10 lb. ....	.25	50 lb. ....	.75
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F.O.B. Dallas

## New DDT Spray

**Pest-B-Gon Spray** contains 20% DDT, the new insecticide that played such an important role in World War II. For garden and household use, also around barns, poultry houses, dog kennels, outbuildings, basements, against many beetles, worms, thrips, leafhoppers, weevils—flies, ants, fleas, mosquitoes and certain other insect pests.



4 oz. Bottle .....\$1.00  
Postpaid

## DDT Dust

**Pest-B-Gon Insect Dust**, 10% DDT, in 10 oz. Pump Duster. To be used as Pest-B-Gon Liquid where a dust is preferred.

Postpaid ..... 60c

## Fungicides

**GREENOL Liquid Fungicide.** A copper fungicide used to prevent Powdery Mildew. Contains spreading and wetting agents and mixes with EXTRAX Insect Spray for making a combination treatment against insects and diseases.

1 oz. Bottle ..35c—4 oz. Bottle ...60c  
Postpaid

## Multi-Purpose Bait

### BUG-GETA PELLETS

For Use Against  
PRINCIPAL FORAGING PESTS

Slugs, cutworms, snails, earwigs, grasshoppers, strawberry root weevil. Baiting against these pests is easy with the new BUG-GETA PELLETS Compressed Bait. (A Metaldehyde-Arsenical Bait.) 5000 baits in a 2 pound carton.

12 oz. Carton .....25c    5 lb. Carton ....\$1.00  
2 lb. Carton .....50c    25 lb. Bag .....\$3.60  
Postpaid



# GARDEN SPRAY

By ORTHO

## Ant-B-Gon

ANT-B-GON ANT POISON

Four to 8 Dispensers are enough for average home. Easy to refill. Ants feed from "WICK" . . . Can't get inside. For Argentine and Sweets-eating ants.

Set of four 1-oz. Dispensers, Postpaid ..... 60c  
Ant Poison to refill dispensers, 4 oz. Bottle .....20c  
Add Postage on Refills



## Multi-Purpose Spray Set

ORTHO GARDEN SPRAY SET

Set contains 4-ounce bottle of **EXTRAX Insect Spray**, **GREENOL Liquid Fungicide** and **VOLCK Oil Spray**. Mix all 3 sprays in the same water. One application treats against many insects and diseases in the garden. Set makes 25 gallons combination spray at normal dilution.

Postpaid ..... \$1.85



## Multi-Purpose Dusts Botano



For use against many insects and diseases. Preferred by many, particularly for vegetables. One of the safest multi-purpose dusts that can be used. 10-oz. size is Dual Purpose package which also serves as handy garden duster. (Contains ROTENONE). Do not use on vine crops such as—Squash, Cucumber, etc.

10 oz. Duster 49c 1 lb. Pkg. ....50c  
4 lb. Pkg. ....\$1.10  
Postpaid

## Caltex GARDEN DUST "525"

Used throughout the garden, but especially useful on Tomatoes, Potatoes, Cucumbers, Squash, and Melons, against Flea Beetle, Diabrotica or Cucumber Beetle, Potato Beetle, Tomato Worm, Late Blight, Contains Cyrolite, Copper and Zinc.

10 oz. Dual Purpose Pkg. ....\$ .49  
4 lb. Pkg. ....1.10  
Postpaid

## Insecticides

**EXTRAX Insect Spray.** Kills by contact. Used against many sucking and chewing insects such as Aphids, Beetles, Caterpillars, Thrips, on Vegetables and Ornamentals. Economical . . . General dosage is one teaspoonful to gallon of water.

1 oz. Bottle...35c 4 oz. Bottle \$1.00  
Postpaid

## Sowbug Control

ORTHO SOWBUG KILLER

A specially prepared bait for use against Sowbugs and Pillbugs.

1 lb. Can, Postpaid ..... 50c

## Volck Oil Spray

Volck Oil Spray's primary function is against Mealybugs, Scale Insects, Red Spiders and Mites. White Flies and Euonymus Scale. These insects can be killed best by a spray that envelopes, wets and smoothers them. Volck Spray destroys many insect eggs and serves as a plant polish. Volck may be mixed with water or to make a combination spray. Volck may be used as a foliage spray or in stronger solution as a dormant spray.

1 pt. Bottle ....\$ .50    1 gal. Can ..... \$2.25  
5 Gallons .....\$8.50  
Postpaid



## FOLLOW THIS PROGRAM AGAINST THE MORE PREVALENT GARDEN PESTS

### IN SPRING—After new foliage appears

Spray with:	EXTRAX Insect Spray.....(1-800)—1 Teaspoonful	} to each gallon water against many insects and diseases.
	GREENOL Liquid Fungicide.....(1-800)—1 Teaspoonful	
	VOLCK Nursery and Garden Spray (Oil Spray) (1-50) —5¼ Tablespoonfuls	

Bait with: "BUG-GETA PELLETS" against Slugs, Snails, Cutworms, Sowbugs.

Poison Ants with ANT-B-GON Ant Poison. Place ANT-B-GON Dispensers around the house.

### IN SPRING AND SUMMER—Throughout growing season

Spray every 7 days with:	EXTRAX Insect Spray.....(1-800)—1 Teaspoonful	} to each gallon water against many insects and diseases.
	GREENOL Liquid Fungicide .....(1-800)—1 Teaspoonful	
	VOLCK Nursery and Garden Spray (Oil Spray) (1-800)—1 Teaspoonful	

(See Multi-Purpose Spray Set)

Dust the Victory Garden with BOTANO Garden Dust every 7 to 10 days or as necessary as a protective treatment against many insects and diseases on vegetables.

Bait every 3 weeks, or as necessary, with "BUG-GETA PELLETS" against Slugs, Snails, Cutworms, Grasshoppers, Sowbugs.

Poison Ants with "ANT-B-GON." Refill Dispensers every three weeks or as necessary.

### IN LATE WINTER—Before buds break

Spray with:	VOLCK Nursery and Garden Spray (Oil Spray) (1-25) —1/3 Pint	} to each gal. water against many insects and diseases.
	GREENOL Liquid Fungicide .....(1-400)—2 Teaspoonfuls	

See Multi-Purpose Spray Set.

This program has usually maintained adequate control of the more prevalent garden pests including Ants. Should certain pests get out of control, or should other pests not covered by these applications become evident, they should be treated according to specific suggestions on container labels.



# FUMIGANTS — SPRAYS — MISCELLANEOUS GARDEN HELPS

## Nico-Fume Greenhouse Fumigator

Nico-Fume Powder (14% nicotine) is burned under pressure in the can in which it is packed. A one pound can will fumigate about 25,000 cu. ft. For control of Thrips, Midge, etc.

½ Lb. Can 45c—1 Lb. Can 75c  
Nico-Fume Holder for 1 lb. size 85c  
F.O.B. Dallas

## Paradichlorobenzene KILLS PEACH TREE BORERS

Clean gum away from tree trunk and clean ground around base of tree. Encircle the tree two inches away from the trunk with one ounce of Paradichlorobenzene, and cover with fine earth. Pack down firmly. Application should be made in warm, dry soil in the late fall. Prices Postpaid.

1 Lb. 60c—5 Lbs. \$2.35—10 Lbs. \$3.90

## Sulphur

	5 lbs.	10 lbs.	50 lbs.
Dusting Sulphur	.05	.04½	.04
Wettable Sulphur	.10	.08	.07
Poultry Sulphur	.05	.04	.03½
Soil Conditioner	.05	.04	.03

F.O.B. Dallas

## SUNOCO SELF EMULSIFYING SPRAY

BOTH DORMANT  
AND  
SUMMER SPRAY

Sunoco Spray is used for control of scale insects, aphids, red mite, red spider, mealy bug and other pests, in dormant season, and in summer on evergreens, euonymus, privet, roses, shrubs, deciduous fruit and shade trees. Average mix: 1 gallon Sunoco to 25 gallons water. Prices F.O.B. Dallas. Qt. 55c—Gal. \$1.15—5 Gals. \$5.10—55 Gals. \$33.50.



## Snarol AND ANTROL SOW BUG CONTROL

SNAROL. A metaldehyde-arsenical bait to kill snails and slugs, as well as cutworms, sowbugs and grasshoppers (one pound to 200 square feet of area).

ANTROL SOWBUG CONTROL, with Copper Aceto-Arsenite, to kill Sowbugs and Cutworms.

Antrol Sowbug Control, 8 oz. pkg. ea. 25c

## SNAROL

1 lb. pkg. .. \$ .25 6 lb. pkg. .. \$1.00  
2½ lb. pkg. .. .50 10 lb. bag .. 1.50  
50 lb. bag ..... \$5.50  
Postpaid

## Wood Labels



F.O.B. Dallas  
Each Doz. 100

Unpainted Wood with  
wire ⅝x3½ in. ....02½ .20 .75  
Unpainted Pot Label  
⅝x6 in. ....02½ .20 .75  
Unpainted Pot Label  
⅝x10 in. ....02½ .20 .90



## Nicotine Concentrate

For control of Aphids, Thrip, Leaf Hopper and many other insect-Black Leaf 40 kills by actual contact and also by fumes. It may be mixed with oil emulsions, arsenates, lime sulphur, etc., to add "gassing" effect to this spray.

"BLACK LEAF 40" ALSO  
REGULATES DOG TRAFFIC

The odor of "Black Leaf 40" is not objectionable to humans, yet is repulsive to dogs.

Applying "Black Leaf 40" places a sentinel at every shrub or flowering plant, thus detouring dog traffic to unsprayed areas.

Prices F.O.B. Dallas

Ounce	.....	\$ .36
5 Ounce	.....	1.05
Pound	.....	2.42
2 Pounds	.....	3.57
5 Pounds	.....	6.70
10 Pounds	.....	11.65



## A New Weatherproof METAL PLANT MARKER



Markers made of durable metal: baked enamel, green finish. Write on top of stake and slip on plastic window cap. You have an enduring marker, with no fade-out of your writing. Stake is 7" tall, writing surface 1½x2½".

Ask for prices around Feb. 15, 1946

## Bird Neponset Flower Pots



Made from water resistant paper, with reinforcing disc bottom.

For transplanting seedlings, moving and/or shipping plants.

2½" pots Doz. 15c—100 75c  
1.00—\$6.50  
4" pots Doz. 25c—100 \$1.50  
1.00—\$13.00

## Nico-Rote

NICOTINE - ROTENONE — Gives the Grower Three Methods of Insect Destruction: 1, By Contact; 2, By Fumes; 3, By Stomach Poisoning.

Recommended for the control, without burning or discoloring of: Aphids (Plant Lice), Leaf Hopper, White Fly, Rose Chafer, Rose Slugs, Caterpillar, Cut Worms, Dahlia Beetles, Asparagus Beetles, Mexican Bean Beetles, Cabbage Worms, Squash Bugs, Currant Worms, Wire Worms, Red Spider, Mites, Aster Beetle, Scale, Cabbage Bugs, Tomato Bugs, Potato Bugs, Cucumber Beetles, Mealy Bug, Chrysanthemum Midge, Japanese Beetle, Spruce Gall, Boxmite, Lace-Wing Fly, and many others. Requires no spreader.



Size	Shipping Wt.	Prices F.O.B. Dallas
6 OZ. ....	1 lb. ....	\$ 1.00
Quart .....	2½ lbs. ....	4.00
Gallon .....	9 lbs. ....	12.00

## 'TWIST-EMS' THE NEW HANDY PLANT-TIE



SEE... JUST A  
SIMPLE  
TWIST OF  
THE WRIST  
AND THE  
PLANT IS TIED

Attractive—Twist-Ems are deep green in color—exactly the same shade as foliage of plants. They therefore blend in with the plantings.

Quick—Twist-Ems save tedious work of tying plants with twine or raffia.

Permanent—Do not break or come loose. The wire running through the center of the tape makes them unbreakable and they cannot come unfastened. Tape protects stem against injury.

Labor Saving—Plants are tied with Twist-Ems in one-quarter the time used in tying them with raffia or twine.

Box of 125, 8 inch ..... 25c  
Prices Postpaid

## Graftex

A Scientific Grafting  
Compound and Wound  
Dressing

Impervious to weather and temperature: it conforms to the stretching and bending of plant growth. Postpaid

½ lb. can ..... \$ .50  
5 lb. can ..... 4.25



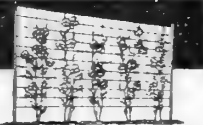
## TRAIN-ETTS

New Weatherized

TRELLIS NETTING Ideal Support for SWEET

PEAS, GARDEN PEAS, POLE BEANS, CUCUMBERS, TOMATOES

Grows finer, larger flowers and vegetables. Hung with ease in 5 minutes; no fuss or bother. Use instead of string or wire. (Wire in sun burns delicate tendrils.) Doesn't rot like string—lasts several seasons. In 3 sizes: No. 1, 60x72 in., 39c; No. 2, 60x96 in., 49c; No. 3, 60x180 in., 69c. Postpaid.



# PRUNERS - SHEARS - HANDI-CARTS - GLOVES



## Long Handled Pruners

Powerful, rugged lopping shears for heaviest cutting. Tool steel forgings, heat treated and accurately ground, fitted with heavy slick ash handles with long strapped ferrules.

**Postpaid**

**No. 25**, 22" handle, cuts 2" limbs .. **\$3.50**

**No. 45S Rockdale**, 22" handle, cuts 1/4" limbs ..... **2.15**

**No. 528 Professional Pruner**: 28" overall, cuts 1 1/2" limbs .... **4.00**

## California Pattern Pruners



**No. 124**—"Professional" one piece drop forged steel, keen, powerful, positive slicing action. Honed edges. 8" long, wt. 1 lb. .... **\$3.00**

**No. 151**—One piece cutlery steel drop forging, wt. 1 lb. .... **.98**

**(Postpaid)**

## Snap Cut Pruners



**(Postpaid Prices)**

**No. 119**—Easiest, safest, keenest of all pruners—bronze anvil—all cutting parts easily replaced, non-pinching handles—rust resistant finish—8" long, cuts 3/4" branches. Wt. 1 lb., each ..... **\$2.25**  
Blades only, for No. 119 ..... **.60**  
Anvils only, for No. 119 ..... **.15**  
**No. 118**—Ladies' "Snap Cut"—rust resistant finish—6" long, cuts up to 1/2" branches. Wt. 1/2 lb., Each ..... **1.39**  
**No. 122**—Clipper Pruner—Featuring dual cutting action. Strong durable steel construction. Cuts easily and closely without injuring the bark. Knurled handles. Polished steel blades attached to handles with small bolts. All parts easily replaceable. Wt. 1 lb. .... **\$1.25**

## EZY-CUT GRASS SHEARS

A handsome highly efficient tool. Self-tensioning. Tempered cutlery steel blades with rust-resisting finish. Easy non-tiring, non-pinching "squeeze-grip" action. Operating parts housed and protected. Easily taken apart for cleaning and re-sharpening.

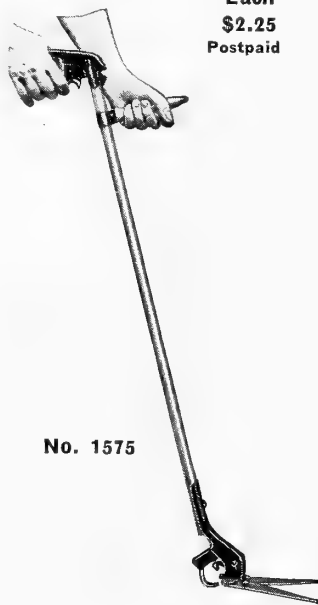
**No. 157**  
**\$1.39**  
**Postpaid**



## STAND-UP GRASS SHEARS

**No. 1575**—Same as No. 157 but with squeeze action handles on stand-up shaft that permits cutting from a standing position. Blades mounted between two wheels at lower end of shaft. Wt. 2 1/2 lbs.

**Each**  
**\$2.25**  
**Postpaid**



**No. 1575**

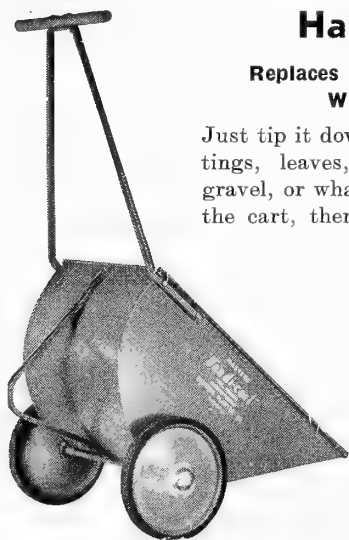
## Handi-Cart

**Replaces Clumsy, Awkward Wheelbarrow**

Just tip it down and rake grass cuttings, leaves, trash, earth, sand, gravel, or what have you, right into the cart, then tip it back and you have a full load. Of endless utility about the house, garden, garage and yard. Steel construction, rubber tires.

3 Cubic foot capacity, wt. 33 lbs.

**\$9.45**  
**F.O.B. Dallas**



## Gloves

Made from select hides, with finger freedom designed for comfort and protection, gardening, driving, household work. Washable. Come in small, medium and large sizes for women. Medium and large sizes for men.

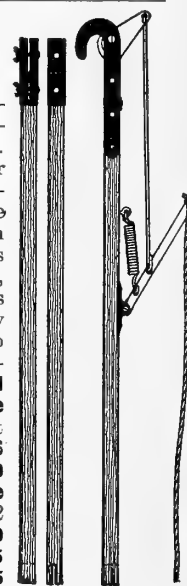


**Postpaid Prices** ..... **85c**

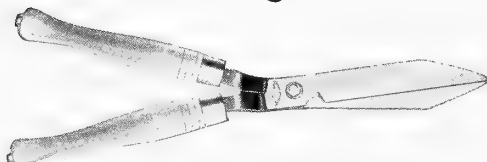
## Tip Top Tree Trimmers

An aeroplane spruce, jointed pole. Hardened and tempered Cutlery Steel Blades. Can be used as a 4, 8 or 12 ft pruner, and additional 4 foot sections can be added to make it even longer. Cuts one inch limbs easily. Removes nests, trims climbers, prunes trees, high shrubs, berry briars and bushes, also picks high growing flowers.

**Postpaid**  
**No. 1312**—Tip Top Tree Trimmer: with 2 4-foot sections. Shipping wt. 6 lbs. .... **\$3.00**  
**No. 13-S**—4 ft. Section Pole for above. Shipping Wt. 2 lbs. .... **.60**  
**No. 1300**—Saw Blade 1.15  
Pruner Blade .... **.15**



## Essex Hedge Shears



Shears of good quality. Keenly ground and notched special oval blades, lacquered ash handles.

**4N-6** 6" Blades ..... **\$ .98**  
**4N-8** 8" Blades ..... **1.25**

**Ezy-Cut Hedge Shears**—Oval shaped hollow ground, cutlery steel blades. Top blade with serrated edge. Bottom blade with large notch. Raised handles with lacquered finish.

**14N-8** 8" Blade ..... **1.85**

**Postpaid**

## Lightening Clipper Shears



Finest Cutlery Steel notched blades. Long bevels and thin edges. Top blade has sharp hooked teeth to grip twigs. Both blades fully polished, hardened, tempered and hollow ground. Both blades notched. Tang extends through smooth finished hardwood handles and is bolted in the end.

**154N-9 1/2** 9 1/2" Blade ..... **3.50**

**Postpaid**

## Multi-Power Hedge Shears



Compound lever provides soft, smooth, non-jolting action. Develops 60% more power from handles to blades. Perfectly balanced for comfort. Light weight and ruggedly built for hard service. Blades of hardened tempered cutlery steel.

**Postpaid**  
**26N-6** 6" Blade ..... **\$1.75**  
**26N-8** 8" Blade ..... **2.50**  
**26N-9 1/2** 9 1/2" Blade ..... **2.75**

# CULTIVATING **GARDEX** GARDEN TOOLS

## GARDEN CULTIVATORS



**No. 1503 Gardex Cultivator** thoroughly loosens and air conditions the soil in small flower and vegetable gardens.

**No. 1503**, 3½" wide, 4' handle, wt. 3 lbs., Each ..... 90c

### No. 1553 Gardex Cultivator.

This new, improved GARDEX Cultivator hoes light and medium soils rapidly and easily without using pressure on the handle.

**No. 1553**, 6" wide, 3 prongs, 4½' handle, wt. 3 lbs.

Each ..... \$1.35



### No. 160-5



**No. 160-5 Gardex Interchangeable Cultivator**, for light and medium soil. The ladies' favorite. Also for green houses and hot beds. 5 prongs, adj. ¾" to 7", 5' handle. Wt. 3 lbs.

Each ..... \$1.50

**No. 1523 Gardex Combination Cultivator-Weeder.** The weeding blade on this combination tool cuts off weeds quickly and easily. Turn the tool over and you have a three-prong cultivator.

**No. 1523**, 3 prongs, 4 1/3" wide, weeding blade 4" wide, 4' handle, wt. 2 lbs. Each ..... \$1.25



**No. 173, Gardex Culti-Weeder.** A two-in-one-tool. For use where plants are close together. Hoe and weed quickly without changing tools. Hoe 2 3/8" wide, diamond point share 2" wide, 4½' handle. wt. 3 lbs. Each ..... \$1.25



## RAKING EQUIPMENT



**No. 250 Gardex Bow Rake.** Nicely balanced. Has exceptional strength where the bows connect with the famous Gardex handle socket. No wobbling of handle at any time.

**No. 250**, 14 teeth, 5' handle, wt. 3 lbs. Ea. .... \$1.20

**No. 251 Gardex Curved Tooth Rake.** An all steel rake with the famous Gardex no-wobble-handle socket connected directly to the rake head.

**No. 251** 14 teeth, 5' handle, wt. 3 lbs. Each ..... \$1.00



## WEEDING EQUIPMENT

### FOR EVERY TYPE OF SOIL



**No. 120-7 Gardex Bow-Pull Hoe.** An exceptionally fine hoe for use in thinning, hoeing and weeding among onions, beets, potatoes, cotton, tobacco and similar crops. The cutting edge turned well toward you, makes it possible for you to use the GARDEX easy pulling principle. 4½' handle.

**No. 120-7**, 7" wide, wt. 2 lbs. Each ..... \$1.30

**No. 121-5 Single Bow Pull Hoe**—5" wide. Has a single bow for close in work. Reaches under plant leaves. Ideal for working under shrubbery. Light in weight, well balanced. Blade of special high grade steel. Thin as a saw blade, sharpened and replaceable. 4' handle.

**No. 121-5** Wt. 2 lbs. Each ..... \$1.05



### GARDEX SCUFFLE HOE

This push type hoe is a favorite for cutting weeds in driveways, close to buildings and other places where ordinary hoes are unsatisfactory. The blade is made of special high-grade steel that will stand up and stay sharp under the hardest kind of treatment. If you have a crushed rock driveway where the weeds persist in coming up you will find this just the tool you need. 4½' handle.



**No. 4107**, blade 7" wide, wt. 3 lbs. Each .... \$1.35

All Prices F.O.B. Dallas

## SEEDING — PLANTING

### Gardex Dibble and Hollow Planter.

These tools are especially suited for planting bulbs and for setting out plants. They are both made of good steel and are as light as a feather. Both tools are equipped with a pistol grip which makes them easy to handle and does not tire your hand when planting. The GARDEX Hollow Planter is pushed into the soil, given a quarter turn and then lifted out. This tool leaves the walls of the hole soft and loose, giving the young plants or bulbs an easy bed for a quick start.



**No. 751, Gardex Dibble**, 11¾" overall, wt. 1 lb.

Each ..... 85c

**No. 750, Gardex Hollow Planter**, Diameter of hole 1½" wt. 1 lb. Each ..... 80c

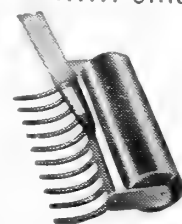


**No. 270—Gardex Small Hand Seeder.** Has adjustable hopper for spacing and adjusting size of holes for smallest flower seeds up to cucumber size. Discs come apart so hopper can be filled with seeds. Holes are adjustable for seed size by turning Discs one way or the other. 2½' handle.

**No. 270**, wt. 1 lb. Each ..... \$1.10

**No. 254 Gardex Roller Rake.** A combination roller and rake. The rake covers the seeded rows. The roller part presses the soil down to give the seeds closer contact with the soil. An especially handy tool for reseeding lawns. The roller is detachable. 10" wide, 10 teeth. roller diameter 2¾", 5' handle, wt. 4 lbs.

Each ..... \$2.20



## PLOWING EQUIPMENT

**Gardex Hand Plow**, for opening furrows before planting—covering furrows—hilling corn, potatoes and similar crops—making irrigation ditches around gardens and for bulb planting. The double mold board throws the loose dirt to both sides of the furrow. With one easy trip across your garden pulling the GARDEX Hand Plow No. 200 behind you, you have a clean, open furrow, ready for planting. This tool is also very handy for ridging your soil in the fall to catch and hold winter moisture.



**200-6**—5' handle, wt. 3 lbs. Each ..... \$1.75

All Prices F.O.B. Dallas

# CULTIVATORS - RAKES - FORKS - MISCELLANEOUS GADGETS

Flower Garden  
Window Box

## GARDEX MIDGET TOOLS

At last you have an opportunity to select good tools that have been especially created for the very small garden.

**No. 732—Gardex Midget Culti-Hoe** (Illustrated)—Excellent for loosening soil and weeding in small garden plots, rock gardens and window boxes. Length with handle 12". Wt. 1 lb. Ea... 50c



**No. 721 Midget Culti-Spade**—This handy tool has two prongs and a pointed sharpened blade half polished. Length with handle 12". Wt. 1 lb. Each ..... 45c

**No. 714 Gardex Midget Culti-Weeder**—Weeding blade on one side and three pronged cultivator on the other. 3 prongs 2 3/4" wide. Blade 1 1/2" wide. Length handle 16". Wt. 1 lb. Each ..... 50c



**No. 703 Midget Fork**—Handy for many purposes like planting house plants, flowers, etc. 3 forged prongs. Length 11". Wt. 1 lb. Each ..... 35c



**No. 713 Midget Cultivator**—For use in small beds, between narrow rows, in hotbeds, etc. Length 11", Wt. 1 lb. Ea. . . 40c



**No. 740 Trowel**—High carbon steel blade. Half polished, round point, sharpened. Shank forged on to blade. Length 11 1/4". Wt. 1 lb. Each ..... 40c



All Gardex Tools F.O.B. Dallas

## LAWN TOOLS



**No. 403 Lawn Sweep**—Made of a special tempered spring-steel, with flat, flexible teeth that pull grass roots. Well balanced. Lightweight and well constructed. 3 1/2' handle. Wt. 2 lbs.

Each ..... \$1.20  
F.O.B. Dallas

### PLANET JR. GRASS EDGER

A Little Brother to  
The Lawnmower

Finishes the job, along straight or curved walks, flower beds and borders.

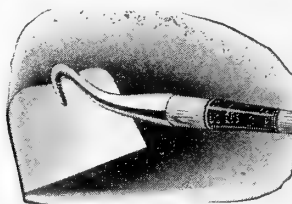


**No. 3** — Special metal rest for foot pressure and wheel scraper, wt.

4 1/2 lbs. .... \$1.90  
F.O.B. Dallas

*Saves Hands and Backs!!*

## MISCELLANEOUS

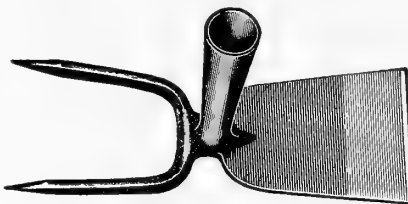
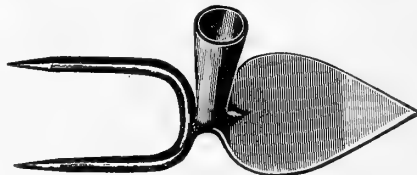


**No. 906 1/2 Field Hoe**—The conventional Field Hoe by Gardex. No wobbling handles, sharpened blade, half polished, of high carbon steel to which shank is forged never to come loose. It's value is unsurpassed. Furnished with a good hardwood 4 foot handle. Wt. 2 lbs.

Each ..... 75c

**No. 921 Cultivator Hoe** (2 prong) with pointed blade. Gardex quality construction. 4' handle. Wt. 1 1/2 lbs. Ea... 90c

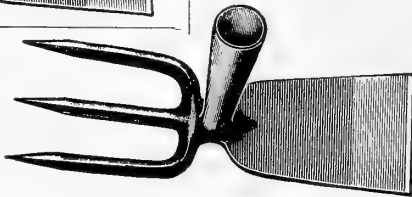
**No. 931 Cultivator Hoe** (3 prong) with pointed blade. 4 1/2' handle. Wt. 2 lbs. Each ..... \$1.10



**No. 922 Cultivator Hoe**

(2 prong) with square blade. Gardex quality construction. 4' handle. Wt. 2 lbs. Ea..... 90c

**No. 932 Cultivator Hoe** (3 prong) with square blade. Gardex quality construction. 4 1/2' handle. Wt. 2 lbs. Each ..... \$1.10



**No. 5 Sidewalk Cleaner**—Will defy the hardest ice or snow on any walk, also cleans grease and mud from garage floors. Blade and socket made from one solid piece of high carbon steel. Sharpened edge. 4' handle. Wt. 2 1/2 lbs. Each ..... 75c

All Tools F.O.B. Dallas



FLOWER LOVERS  
SAY  
"There's Something  
Real"

BECAUSE NO MORE  
WOOD STAKES WITH  
RAG STRING TIES

Termite and rot proof. Adorns any plant and beautifies gardens.

Saves Hours of Work, Lends a "Firm Hand" to  
Weak Stalks and They're Permanent

Use them year after year. Finished in Garden Green Enamel. Three sizes:

	Postpaid
30" O'all, 23 1/2" high. Each	\$ .10
Dozen	.95
42" O'all, 35 1/2" high. Each	.12
Dozen	1.20
66" O'all, 59 1/2" high. Each	.20
Dozen	2.00
78" O'all, 71 1/2" high. Each	.28
Dozen	3.00



## Dandelion Knife



The most convenient tool we've seen for removing unwanted plants from your lawn—Forged, tempered steel—Hardwood short or "Stand Up" handle.

	Postpaid
219-15"	\$ .55
220-50"	1.10

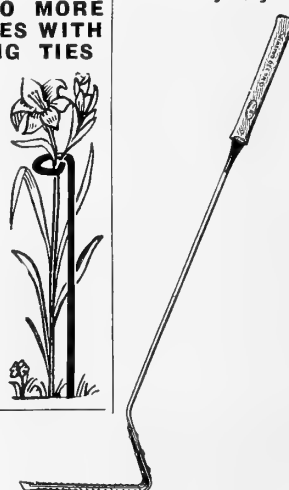
Flexible, whiplike in action. Hardwood handle Graswip. Tempered steel, detachable blades. Wt. 3 lbs.

**No. 165** furnished with straight edge blade only. Each ..... \$1.50

F.O.B. Dallas

## Graswip

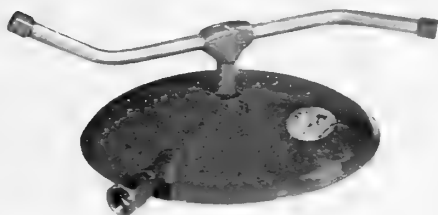
Double Edge—  
Cut grass  
and weeds  
the easy way





# SPRINKLERS — GARDEN HOSE — GLOVES — BOOKS

## Junior Sprinkler



**JUNIOR SPRINKLER**—with a circle diameter of 60-80 feet. All steel red base (12" diameter), and body with two 10" brass arms. Wt. 4 lbs., Each ..... \$4.75

F.O.B. Dallas

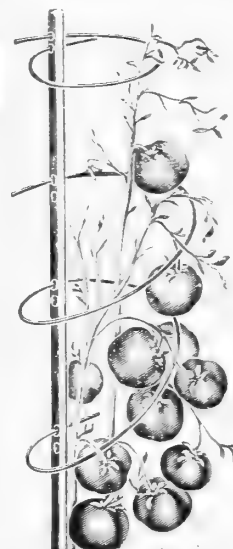
## Midget Sprinkler



**MIDGET SPRINKLER** with a circle diameter of 40-60 feet: All steel red base (7½" diameter), aluminum body and two 6" brass arms.

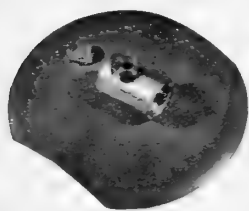
Wt. 3 lbs. Each, F.O.B. Dallas ..\$2.75

## Dennis Plant Stakes



Made from clear pine (all green stained) in three standard lengths. Complete with equal lengths of 5/32" rattan reed to fasten or hold plant.

No.	Size	Pkg.	1 doz. Wt.	Ea.	Doz.
No. 442	3/4"x4'	Pkg. 1 doz.	Wt. 7 1/2 lb.	12 1/2	\$ 95
No. 443	3/4"x5'	Pkg. 1 doz.	Wt. 10 lb.	15	1.65
No. 444	3/4"x6'	Pkg. 1 doz.	Wt. 12 1/2 lb.	20	2.00
Extra 5/32" Rattan Reed in 4, 5, or 6' lengths at per foot .....01					
F.O.B. Dallas					



## Dual Sprinkler

**DOES NOT REVOLVE**

It is equipped with two nozzles; one to direct the spray in a one-half circle and one that directs the spray over a 30 foot diameter circle. All steel red base (7½" diameter), aluminum body and brass nozzles. Wt. 1½ lb. Each ..... \$1.60

F.O.B. Dallas

## BOOKS

### For the Gardener

**THE FOOD GARDEN**—By Edna and Laurence Blair. For average gardener who is a novice this is a "how-to-do-it" book. Illustrated details on culture, harvesting, preserving and storage. 117 pages. Price, Postpaid .....\$2.00

**HERBS**—By Roesetta E. Clarkson. The sowing, growing and harvesting of Herbs, with delicious recipes for using. Price, Postpaid ..... \$2.75

**THE NEW GARDEN ENCYCLOPEDIA**—Edited by E. L. D. Seymour. Complete one volume book on gardening. Every garden club and earnest gardener should own one. Complete how-to-do-it book with everything you want to know about flowers, vegetables, roses, shrubs, vines, fruit trees, berries, lawns, ornamental trees, greenhouses. Written for all U. S. climates, soils, seasons and methods. Complete pronouncing guide. 1380 pages, profusely illustrated. Price, Postpaid \$4.98

**VEGETABLE GARDENING IN COLOR**—By Daniel J. Foley, is a picture-cyclopedia of vegetables. It is the first book to show all important vegetables, herbs and berries in full color plates, alphabetically arranged. The comprehensive sections on planning your garden, preparation of the soil, seed sowing, tools, insects and diseases, cooking hints and winter storage are additional features. A book to enjoy and use. Price, Postpaid ..... \$2.50

**VICTORY GARDEN MANUAL** — By James H. Burdett. Director of the National Garden Bureau. An easy-to-understand manual for home vegetable gardening; profusely illustrated. Price, Postpaid ..... \$1.75

## Trucord Garden Hose



**TRUCORD Garden Hose** is of synthetic rubber construction, and has a black corrugated rubber cover. Double braid of cotton cord gives protection against bursting. Cord tensions are equalized so there is no tendency for the hose to twist when water pressure is applied.

Outside dia. 1"	—Inside dia. 5/8"
50 ft. coupled, wt. 18 lbs. Each	.....\$5.95
25 ft. coupled, wt. 8 lbs. Each	..... 3.20
F.O.B. Dallas	

## "Liquid Glove" Lotion

A delightful house and garden Lotion, to protect your hands, before exposing to soap, water, gardening and household tasks. Excellent for powder base, body rub and chapped limbs.

6 oz. bottle	...25c	12 oz. bottle	..50c
F.O.B. Dallas			



Gloves made from select hides with finger freedom designed for comfort and protection in gardening, driving, household work. Washable. Come in small, medium and large sizes for women. Medium and large sizes for men.

Pair, Postpaid ..... \$1.10

## Gold Label Nozzle



Heavy cast brass with non-rising sleeve. No. 11, Postpaid ..... 85c



**IT REALLY SOAKS THE SOIL**

Scientifically treated, mildew resistant canvas, one end screws to water hose, other end closed. Water seeps through every pore, soaks directly into the soil over an area of several feet on all sides. No spray—no waste on walks, driveways, in street—no excessive evaporation.

For Lawns and Gardens:

12 foot length,	weight 1 lb.	\$1.40
18 foot length	weight 1½ lb.	1.90
30 foot length,	weight 2 lbs.	2.90
50 foot length,	weight 2½ lbs.	4.75
Postpaid		



# EXTERMINATORS AND INSECTICIDES

## Cederene Products



**Cederene Insect Spray**—it's fast, sure, safe. 100% active ingredients. Cederene Insect Spray kills and repels ants, flies, moths, fleas, roaches, bedbugs, ticks and silverfish.

1 pt. bottle, wt. 1½ lbs. ....\$ .40  
1 qt. bottle, wt. 2 ½ lbs. ....65  
1 gal. bottle, wt. 10 lbs. .... 1.85  
**F.O.B. Dallas**

**Kay-O Dusting Powder**—positively kills ants, all types roaches, bedbugs and silverfish.

2½ oz. Shaker box .....\$ .40  
5½ oz. shaker box ..... .75  
**Postpaid**

**Pet's Pal**—a superlative killing agent for lice, fleas, ticks. While it's action is effective and quick on dogs and cats, it is mild enough for use on birds and other delicate pets.

3 oz. fibre can .....\$ .35  
**Postpaid**

## Magnolia Flea-Kill

**POSITIVELY EXTERMINATES FLEAS**



In houses, garages, kennels, stables, barns, poultry houses or wherever they may be found other than on animals.

It is guaranteed to exterminate them when used according to instructions.

It is not water soluble and retains its full strength in drenching rains.

**Magnolia Flea-Kill** is harmless externally to animals or poultry when applied to breeding places as instructed, but should not be applied directly to their skins.

**Magnolia Flea-Kill** comes mixed ready for immediate use, and is economical to use for complete extermination. Coverage and delivered costs as follows:

Amount—Coverage	Postpaid
4 lbs.—100 sq. ft. (10x10 feet).....	\$1.10
12 lbs.—300 sq. ft. (10x30 feet).....	2.20
24 lbs.—600 sq. ft. (20x30 feet).....	3.25

## C-A Wood Preserver (CARBOLINEUM)

Kills chicken mites and fowl ticks or blue bugs. One application to inside of poultry house lasts 1 to 3 years. Recommended by U. S. Department of Agriculture.

Preserves wood and makes wood termite proof. Can be brushed or sprayed.

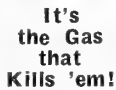
1 qt. 60c—1 gal. \$1.75—5 gal. \$7.50  
**F.O.B. Dallas**

## Cyanogas

**KILLS RODENT AND INSECT PESTS**

**ONE WHIFF KILLS THEM**

Not a bait—Cyanogas is a gas producing powder that kills pests right in their burrows or nests, in feed rooms, corn cribs, granaries, under floors, in lumber piles, etc.



It's the Gas that Kills 'em!

**CYANO GAS ANT KILLER**

It's the sure way. Kills the queen, wipes out the entire ant colony. Packed especially for treating ant nests.

4 ounces, Postpaid ..... 30c

**CYANO GAS A DUST**

For use in pump dusters to pump into burrows, nests, under floors, into wood piles, stacks of feed or seed, etc., to kill all kinds of pests.

1 lb. 75c—5 lbs. \$3.00—25 lbs. \$10.00  
100 lbs. \$25.00

**CYANO GAS G—FUMIGANT**

The positive fumigant for greenhouses, mushroom houses, warehouses, flour mills, grain and seeds, nursery stock, bulbs, for soil sterilization; and for killing bedbugs, cockroaches and other pests in tourists camps, bunk houses, etc.

5 lbs. \$3.00—25 lbs. \$10.00—100 lbs. \$25.00

**CYANO GAS FOOT PUMP DUSTER**

Especially designed for use with Cyanogas A Dust. The powerful piston action forces the Cyanogas deep into otherwise inaccessible parts of burrows. All non-corrosive metals.

Foot Pump Duster ..... \$7.00

**Postpaid Prices**

## HTH-15

**Kills Germs and Bacteria**

An improved and fully effective chlorine germicide, disinfectant and deodorant in powder form, to be added to water. For use in homes, hospitals, restaurants, soda fountains and taverns. Extensively used by dairymen and poultrymen.

1 Lb. 50c—3 Lbs. \$1.00  
**Postpaid**



**KNOX-OUT 5%**

**DDT Oil Spray**

Knox-Out 5% DDT Oil Spray is an insecticidal composition, containing 5% DDT by weight, dissolved in deodorized, refined oil base.

This insecticidal preparation is especially designed for the control of flies, bedbugs, ants, mosquitoes, roaches, clothes moths, carpet beetles and stored products insects.

**ADVANTAGES**

1. DDT is the most effective synthetic insecticide known, being both a contact and stomach poison.
2. Excellent residual powers.
3. Will not stain clothing or wallpaper.
4. Easy to apply.
5. Economical.

**F.O.B. Dallas**

1 qt. bottle .....\$ .75  
1 gal. bottle ..... 2.75

## \$1000 Guaranteed Killers

**\$1000 ROACH KILLER**

protects against water bugs, roaches and black beetles.

Odorless and Clean  
4 oz. 35c—9 oz. 65c  
20 oz. \$1.25

**\$1000 GUARANTEED ANT-BANE**

Guaranteed to rid buildings of ants when used according to directions.

4 oz. 35c—9 oz. 65c

**\$1000 BED BUG KILLER**

Pint can ..... 35c  
Quart can ..... 65c

**\$1000 FLEA KILLER**

Kills fleas on dogs and in kennels, barns or other places.

Pint ..... 50c

**\$1000 FLY KILLER**

Pint 50c—Quart 90c

**\$1000 MOTH KILLER**

Pint size ..... 65c  
Quart ..... \$1.00

**\$1000 RAT AND MOUSE KILLER**

4 oz. Tube .... 35c  
**Prices Postpaid**

## Chigger Chaser

**FOR DUSTING ON THE BODY**

Keep a Can in Your Car



Keep a Can in the Bathroom

Enables you to keep chiggers off your person, regardless of how many chiggers may be in your territory. It is no longer necessary or pardonable for people to scratch chigger bites. CHIGGER CHASER is an absolutely harmless powder to the most sensitive skin, yet it positively keeps chiggers off. Dust thoroughly.

**Comes in Sifter top cans postpaid to you!**  
1¼ oz. ....25c 3½ oz. ....50c

## Chigger Choke

**Rid your lawns of Chiggers (Red Bugs) easily!**

There is no longer any need or excuse for enduring these pests. One application of CHIGGER CHOKE, according to instructions on the package will free your lawns for a season. If you and your neighbors will free your lawns one year, reinfestation can be avoided for many years.

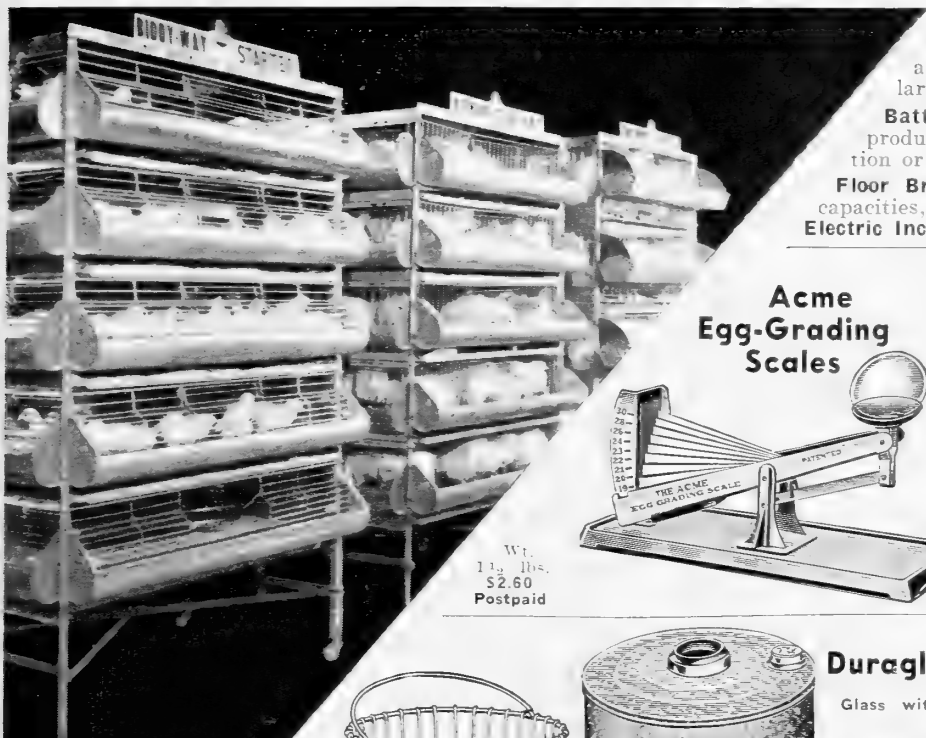


The DUSTER BAG makes application easy. Just attach bag to your lawn mower, or attach ropes to bag and drag over the area to be dechiggered.

Bag contains 7 pounds of Chigger Choke which will dust the average city yard, 50x150 feet. Shipping wt. 8 lbs.

**Postpaid ..... \$1.10**

# MAGNOLIA POULTRY AND HATCHERY SUPPLIES



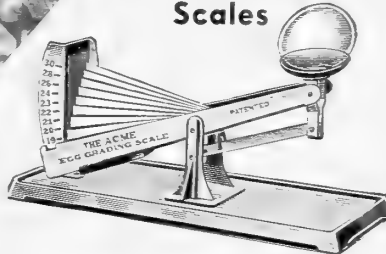
Magnolia Seed Company is Poultry Supply Headquarters for famous Makomb Battery and Brooding equipment, made by the world's largest brooder manufacturer.

**Battery Brooders** for starting chicks or for broiler production: capacities for backyard home consumption or for commercial plants.

**Floor Brooders**—Electric, Gas, Oil or Wood heated—capacities, 100 chick to 500 chick.

**Electric Incubators**—400-600 Egg Capacities.

## Acme Egg-Grading Scales



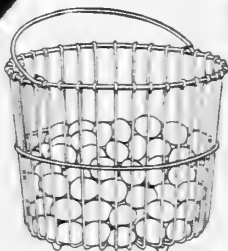
Wt. 1 1/2 lbs.  
\$2.60  
Postpaid

## Handy Egg Sanders



Clear eggs bring the highest prices yet they cannot be washed. Clear your eggs without taking off the bloom. Sandpaper of just the right grain, stretched over sponge rubber cushion, complete set, 65c  
Sandpaper Refills 15c  
Wt. 1/2 Lb.—F.O.B. Dallas

## Egg Cooling Baskets



Wt. 3 lbs.  
98c  
F.O.B. Dallas

## Duraglas Fountains

Glass with screw-on Plastic Base



1 Gal. size, wt. 4 lbs. .... 65c  
2 1/2 Gal. size, wt. 13 lbs. \$1.95  
F.O.B. Dallas

## Jar Founts



Priced less Mason Jars  
No. 32 Star (Metal) .... 10c  
No. H7-6 Syfon (Galvanized) .... 10c  
No. H2-3 All Glass .... 10c  
Wt. 1 lb.  
F.O.B. Dallas

## Peat Moss Litter

1 bale covers 300 sq. feet to depth of one inch. Wt. approx. 100 lbs.  
F.O.B. Dallas ..... \$4.60

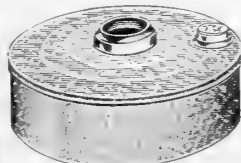
## Chick Bed

World's Best Poultry Litter  
Absorbs Moisture  
Aids Sanitation  
Kills Odors  
Prevents Fires  
Promotes Chick Health  
Bag Covers 50 sq. ft.  
Brooder House Chick Bed \$2.60  
Laying House size and Nest size—\$2.10  
F.O.B. Dallas

## Feed and Seed Scoop



No. 1010—3 1/4 lb. capacity, wt. 2 lbs. .... 75c  
No. 1011—5 1/2 lb. capacity, wt. 2 lbs. .... 85c  
F.O.B. Dallas



Lamps Complete  
No. 2 with S. H. Burner and Chimney .... \$1.69  
No. 2 with Chimneyless Burner .... 1.54  
No. 3 with S. H. Burner and Chimney .... 1.95  
No. 3 with Chimneyless Burner .... 1.95  
No. 3 with Double S. H. Burner and Chimney .... 2.20  
F.O.B. Dallas



Chimneyless Burner  
Sun Hinged Uses Metal Chimney

## Spiral Colored Leg Bands

Colors: White, black, red, green, blue and yellow. Not less than 50 bands of a size and color sold.



50 Bands  
No. 4 Baby Chicks .... 20c  
No. 6 Growing Chicks .... 25c  
No. 9 Large Leghorns .... 30c  
No. 11 Rocks & Reds .... 35c  
No. 14 Turkey Hens .... 55c  
No. 16 Turkey Toms .... 75c  
Postpaid

## Adjustable Leg Bands



Pliable Metal  
No. 15 for Chickens—50 for .... 35c  
100 for .... 60c  
No. 15L for Turkeys—50 for .... 40c  
100 for .... 65c  
Postpaid

## Reliable Show Bands



Pliable Metal with Colored Celluloid Number Plates

Adjustable, Colors: Red, green and yellow. Number 1 to 200. Sold only in boxes of 1 to 12—or 25 consecutive numbers as 1 to 25, 25 to 50, 50 to 75, etc.

25 Bands ..... \$ .70  
50 Bands ..... 1.34  
100 Bands ..... 2.50  
Postpaid

## Caponizing Instruments

Complete Set, Wt. 1 lb. .... \$2.95  
F.O.B. Dallas

## Bandettes



Sold only in unbroken sets of 25 in one color. Numbers to 200 in yellow and green; to 600 in red and blue. No. 9 For Leghorns. No. 11 for Rocks, Reds. Postpaid  
50 for ..... \$1.00  
100 for ..... 1.80

## Pigeon Bands



Red, Blue, Green or Yellow celluloid with pliable metal back: 25 pairs in set. Price 65c per set. Postpaid

# POULTRY AND LIVESTOCK REMEDIES • EXTERMINATORS

## Lee's Poultry Remedies

**GERMOZONE**—Use in water to prevent Simple Diarrhea and Bowel Trouble. 4 oz., 25c; 12 oz., 75c; 32 oz., \$1.50; ½ gal., \$2.50; 1 gal. \$4.50.

**ACIDOX**—To aid in controlling Coccidiosis. 4 oz., 50c; 12 oz., \$1.00; 32 oz., \$2.00; ½ gal., \$3.50; 1 gal., \$6.50.

**GIZZARD CAPSULES**—Get all three kinds of worms—Round, Pin and Tape. Sizes for Chicks, Pullets or Adult birds.  
For Chicks—50 caps., 40c; 100 caps., 75c.  
For Pullets—50 caps., 50c; 100 caps., \$1.00.  
For Adults—50 caps., 75c; 100 caps., \$1.25.

**LEEMULSION AND VAPO-SPRAY**—Twin Remedies for Colds and Roup.  
Leemulsion—4 oz., 50c; 12 oz., \$1.00; 32 oz., \$2.00; ½ gal., \$3.50; 1 gal., \$6.50.  
Vapo-Spray—1 pt., 50c; 1 qt., 75c; ½ gal., \$1.25; 1 gal., \$2.00; 5 gal., \$8.75.

**LEE'S LOUSE POWDER**—1 lb., 25c; 2½ lb., 50c.

**LEE'S MITE KILLER** (Liquid) 1 qt., 60c; ½ gal., 90c; 1 gal., \$1.50.

**LEE'S DIP AND DISINFECTANT**—5 gal. \$8.25.

**LEE'S PICKPASTE**—Cannibalism control. 2 oz., 25c; 6 oz., 60c.

**LEE'S PERCH PAINT**—Poultry Lice Control ½ pt., 85c; 1 pt., \$1.50; 1 qt., \$2.50; 1 gal. \$7.00.

**PINJECTOL**—To expel Pin Worms—12 oz., 75c; 32 oz., \$1.50; ½ gal., \$3.00.

**LEE'S TONAX**—Tonic Conditioner and Worm Control for Poultry—to be mixed with mash. 12 oz., 30c; 2 lbs., 75c; 6 lbs., \$2.00; 25 lbs., \$7.50; 50 lbs., \$14.00; 100 lbs., \$25.00.

**BLITZ SPRAY**—(Liquid) For killing external insects on poultry, hogs and other livestock. 1 pt., 75c; 1 qt., \$1.25.

**LEE'S DRI-RUB**—To repel and kill external insects on poultry, hogs and other livestock. 3 lbs., 45c.

**LEE'S HOG OIL**—For ridding hogs of Large Round Worms. 12 oz., \$1.00.

F.O.B. Dallas

Ask for free Lee-Way Book

## Kazoo Rat-Brew

To kill lots of rats, plan to out-smart them. Pre-baiting merely gains their confidence by serving them something they like, over a number of days, then switching to a poison that tastes and smells the same. It's as simple as that.

Rats are smart. Suspicious of everything new. Pre-bait with Kazoo Pre-Bait Extract, a sweet tasting solution with an odor very pleasing and attractive to rats. A two ounce bottle will flavor a gallon of water to taste and smell like Kazoo Rat-Brew. After gaining their confidence by several days use of the extract switch to Kazoo Rat-Brew. Results will astound you.

Rat-Brew, 2 oz. .... \$ .25  
Rat-Brew, 6 oz. .... .50  
Rat-Brew, 16 oz. .... 1.00  
Pre-Bait, 2 oz. .... .25

F.O.B. Dallas



## Antrol Ant Killers

KILL ANTS IN THEIR NESTS

Antrol Ready Filled Sets consists of small glass containers from which worker ants carry special Antrol Syrup to their nests for food. The whole ant family is quickly killed at the source—the only way to get permanent relief.

Antrol Ready Filled Set, containing four Filled Feeders, wt. 1 lb. . . . 39c

Antrol Syrup for refilling, 4 oz. bottle 20c

F.O.B. Dallas

## Dr. LeGear's Prescriptions

**ANTISEPTIC OIL**—For Galls of horses. 6 oz., 60c.

**ANTISEPTIC POWDER**—Promotes healing of Cuts, Galls, etc. 1¼ oz., 30c; 4 oz., 60c.

**COW PRESCRIPTION**—A Tonic for cows and Calves. ¼ lb., 25c; 1½ lb., 50c; 4½ lbs., \$1.00; 15 lbs., \$3.00.

**STOCK POWDER**—A Tonic for all livestock. ¾ lb., 25c; 1½ lb., 50c; 4½ lb., \$1.00; 15 lbs., \$2.25.

**UDDER OINTMENT**—External treatment for congested udders, sores, cuts, chapping. 7 oz., 60c.

**HOG PRESCRIPTION**—A Tonic for all swine. ¾ lb., 25c; 1½ lb., 50c; 4½ lb., \$1.00; 15 lb., \$3.00.

**AA POULTRY TABS**—An Astringent drinking water medication for poultry of all ages. 20 tabs., 30c; 50 tabs., 60c; 120 tabs., \$1.20; 500 tabs., \$4.00.

**LICE POWDER**—14 oz. can 30c.

**NICOTINE KAMALA PILLS**—For Large Round Worms in chickens and turkeys. Adult sizes—50 pills, 50c; 1000 pills, \$9.00. Chick and Pullet size—50 pills, 25c; 1000 pills, \$4.75.

**POULTRY ANTISEPTIC TABLETS**—For treatment of external swellings of Roup, Catarrh, Head Colds. 25 tabs., 30c; 60 tabs., 60c.

**POULTRY ASCARID WORM POWDER**—For Large Round Worms, Capillaria and Cecal Worms. Use in mash. 1½ lb., 60; 10 lb., \$4.25.

**POULTRY HOUSE INSECTICIDE**—For killing Lice, Bluebugs, Red Mites. 3 oz., 50c; 6 oz., 90c.

**POULTRY INHALANT**—For treatment of Colds, Roup, etc. 4 oz. bottle 60c.

**POULTRY PRESCRIPTION**—A Tonic for all poultry. ¾ lb., 25c; 1½ lb., 50c; 4½ lb., \$1.00; 15 lbs., \$3.00; 100 lbs., \$15.00.

**DIP AND DISINFECTANT**—8 oz., 30c; 1 qt. 65c; 1 gal., \$2.00; 5 gal., \$8.50.

### FOR DOGS

**EYE LOTION** 2 oz., 25c.

**FLEA SOAP**—3¼ oz. bar 25c.

**LAXATIVE TABLETS**—30 tabs., 50c.

**MANGE PRESCRIPTION**—6 oz., 50c.

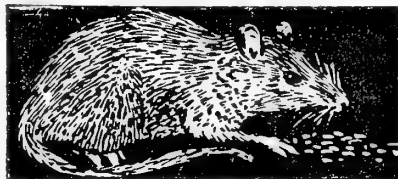
**PEPSIN-BISMUTH**—For Digestive Disturbances. 25 tabs., 50c.

**ROUND AND HOOKWORM CAPSULES**  
Puppies and Small Dogs (under 10 lbs.) 15 caps., 50c.  
Dogs (10 lbs., and over) 10 caps., 50c.

**TAPE WORM TABLETS**—15 tabs., 50c.

**TONIC TABLETS**—25 tabs., 25c.

F.O.B. Dallas



## Rat-Scent

Is a poisoned grain. Its odor attracts rats. They eat it greedily, soon begin to feel suffocated, and run toward fresh air until they drop, without realizing what is poisoning them. Rat-Scent is harmless to chickens. Dogs and cats are not attracted to it because it is a whole grain.

7 oz. 35c—13 oz. 50c—5 Lbs. \$2.00—  
Postpaid

## Antrol Ant Traps

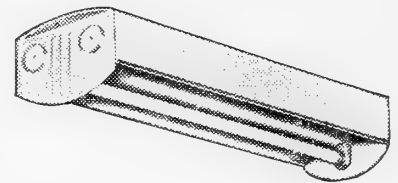
Contain two kinds of specially prepared bait.  
Each ..... 10c Postpaid ..... 15c  
Antrol Killers kill both sweets and grease eating ants.

Can Be used Inside or Outside the House

SAFE TO USE AROUND CHILDREN AND PETS



## Rad-I-Air Units



RAD-I-AIR Germicidal Units bring the germ-killing power of sunlight indoors. Air and dust carry deadly disease germs, that can cause fatal respiratory infections. The use of Rad-I-Air units in poultry and animal areas provides a scientific means of air sanitation for prevention and spread of disease.

Operates on 110-115 volt 60 cycle current. Completely wired ready to install. Installation is simple, either permanent or temporary. Adjustable baffles may be added, to deflect or shield Ultra-Violet rays.

Models Available:

981-15 Rad-I-Air Fixture (15 watt) less bulb, ship. wt. 6 lbs. .... \$14.40  
AB-15 Adjustable Baffles (set) ship. wt. 1½ lbs. .... 1.50  
981-30 Rad-I-Air Fixture (30 watt) less bulb, ship. wt. 12 lbs. .... 19.90  
AB-30 Adjustable Baffles (set) ship. wt. 2¾ lbs. .... 2.75

## SYLVANIA GERMICIDAL BULBS

For Use with Rad-I-Air Fixtures

	Watt	Length	Effective Coverage Square Ft.	
F16-12	15	18"	50 to 75	\$4.50
F31-12	30	36"	100 to 150	6.75

F.O.B. Dallas

## Dixie Rat Killer

Rats and mice not only are destructive, but also carry many diseases to humans and livestock. Rats reproduce at 90 days of age. A healthy pair of rats can produce 700 rats in one year.

Dixie Rat Killer is sold under a money back guarantee, is easy and simple to use. A squill product in pellet form that is harmless to farm animals, fowls, pets and humans, but sure death for rats.

Two sizes—50c—\$1.00—Postpaid

## Use 'ANT-B-GON' Against Sweets-Eating Ants

ANT-B-GON Ant Poison and the special ANT-B-GON Dispenser offer a modern system for controlling Argentine and Sweets-eating Ants. The poison is alluring . . . attracts ants to feed and carry the poison to their nests. Large dispensers feed poison slowly and constantly through "wick" . . . always fresh, alluring and clean to last drop. Four to eight dispensers, refilled about every three weeks, keeps an average home free from ant nuisance. ANT-B-GON Ant Poison can also be used in other dispensers.

Postpaid

4-1 oz. Dispensers, filled ..... 60c  
4 oz. Liquid Refill ..... 20c



# HOME AND FARM EQUIPMENT AND SUPPLIES



ASK FOR SPECIAL GEHL CATALOG

## AMERICAN Cream Separators

Many American Cream Separators built 50 years ago are still in daily use.

No.	Model	Capacity	Ship Wt.	F.O.B. Dallas
28	Bench	200 lbs.	58 lbs.	\$ 43.50
38	Bench	300 lbs.	67 lbs.	54.50
40	Stand	400 lbs.	155 lbs.	93.75
50	Stand	500 lbs.	156 lbs.	98.30



No. 411

## Big Beam Lantern

**BIG BEAM LANTERNS**—turn darkness into light. Set a new high in dependable, portable illumination. Ideal for hunting, fishing, camp use, or as an auxiliary

light around the farm, home or business. Available in three models

No. 700—Portable searchlight, 2000 feet beam, with 4 dry cell batteries, ship wt. 7 lbs.	\$14.50
No. 700A, 2000 ft. beam with extra 6-volt small auxiliary light and 4 dry cell batteries	\$16.50
No. 6 Dry Cells for No. 700 and No. 700A, each	.50
750 Snap-on Lens to convert No. 700 and No. 700A to Flood Light	2.75
760 Main Bulb for No. 700 or No. 700A	.60
755 Auxiliary Bulb (for 700A only)	.12
515 Shoulder Strap for carrying	2.50
No. 411—2500 ft. beam, with rechargeable wet storage battery, portable searchlight. Ship. Wt. 30 lbs.	\$31.75
1280 Charger for storage battery, 7 lbs.	13.80
515 Shoulder Strap for carrying	2.50
525 15-ft. Extension Trouble Light, complete with 25 Watt Bulb and Adapter	2.50
520 Wire Guard, Lens Protector	1.05
550 Snap-on Lens to convert to flood light	2.75
900 Main Bulb for No. 411	.57
955 Auxiliary Bulb for No. 411	.12

(F.O.B. Dallas)



## Bird Supplies

Canary Bird Mixture	1 lb.	6 lbs.
(bulk)	.30	\$1.75
Love Bird and Finch Mixture	(bulk)	.30
(bulk)	.30	\$1.75
Parrot Food	(bulk)	.35
(bulk)	.35	\$1.75
Sunflower, Mammoth	(bulk)	.30
(bulk)	.30	\$1.75
Spratt's 1 oz. Lice Powder in duster		\$ .25
Spratt's 1 oz. Bird Tonic		.15
Spratt's 2 lb. Bird Gravel		.10
Spratt's 2 dr. Canaradyne (colds and wheezing)		.25
Spratt's 1 oz. Quinella (Astringent Powder)		.25
Spratt's 3 oz. Bird Wash (Disinfectant)		.20
Spratt's 3 oz. Song Food (Song Restorer)		.20
Spratt's 4 oz. Nestling Food with Cod Liver Oil		.15
Spratt's 8 oz. Mocking Bird Food (For all Soft-Bill Birds)		.25
Wire Nests		.10
Treat Cups		.05
Seed and Water Cups		.10
Bird Bath		.10

(F.O.B. Dallas)



V-68

## Vaculator Glass Coffee Maker

Made with Pyrex Glass—  
Wide Funnel Tube—  
Extra Wide Mouth—  
Master Seal Bushing—  
Dutch Filter—

Model V-68 DeLuxe, 8-cup (illustrated)	\$3.95
Model V-24 makes 2 to 4 cups	2.95
Model V-48 makes 4 to 8 cups	2.95
Extra Dutch Filter	.50
Filter Cloths 10 for	.25

(Postpaid)

## Safeway Heaters



MODEL 5000

**OIL HEATING COMFORT** at prices you can afford. Safeways are simple to operate. There is no complicated mechanism.

No. 5000 Cabinet models are finished in a beautiful dark brown enamel, en-

livened with an expertly applied tracery of golden yellow. Official B.T.U. rating 50,000 (4 or 5 room capacity). Wt. 115 lbs.

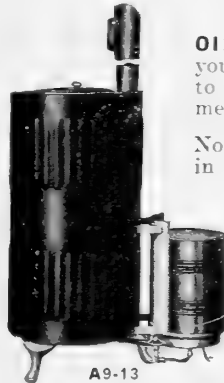
\$56.00

No. A9-13—Radiant type heater. A super value that gives much in performance for little in price. Official B.T.U. rating 30,000 (2 or 3 room heating capacity). Wt. 44 lbs.

\$18.50

(F.O.B. Dallas)

Write for further details



A9-13

## Economy Lanterns



Duo-Ray

No. 600 Ranger—Small brakeman type lantern. Has many uses around the home or business. A fine lantern for carrying in the car. Has an adjustable handle and brace which holds the lamp in desired position eliminating the necessity of holding. Wt. 2 lbs., complete with battery

\$3.30

No. 400 Duo-Ray—Same type as No. 600 Ranger, but with auxiliary light that greatly intensifies the range of light, wt. 2½ lbs., complete with battery

3.80

No. 941 Extra Dry Cell Battery, wt. 1½ lbs., each

.55

(F.O.B. Dallas)

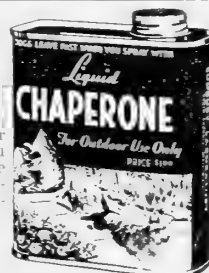


Ranger

## Liquid Chaperone

No stained evergreens, disfigured shrubs or trampled flowers, if you spray Liquid Chaperone wherever dogs do damage. Lasts for weeks, regardless of weather.

4 Oz. Can 50c  
12 Oz. Can \$1.00  
Postage Extra



## Pussy Scat

A new harmless powder that will prevent cats from lying on your furniture, clawing curtains or sleeping on your bed. You do not smell Pussy Scat, but the cat does—and keeps away.

Small Cone 50c—Big Cone \$1.00  
Postage Extra

## Rabbit Chaperone

Spray with Rabbit Chaperone and stop rabbit damage. Rain will not wash it away.

4 fluid oz. 50c—12 oz. \$1.00—Postage Extra

**D'Sapeer**—Eliminates all odors. A harmless spray for use in homes. Delightful cedar-pine scent. 4 oz. 60c—8 oz. \$1.00—Atomizer 65c.  
(Postage Extra)

## Dawg-Gone



Keeps dogs away from Evergreens and shrubs. Remove cap and hang tube in bushes.

25c Per Tube—Postpaid

## Scram Dog Repellent

**SCRAM Dog Repellent.** A special powder used to keep dogs away from shrubs, flowers, lawns, store fronts, porches, etc. Easy to use. Does not harm animals.

8-oz. Shaker .....49c  
(Postage Extra)



## Rex Hunter Pine Oil

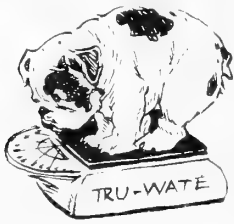
DEODORANT

6 oz. .... 50c  
(Postage Extra)

## Dog Book

Practical Dog Breeding—

Harry C. Peak ..... \$1.95  
(Postpaid)



## Gaines Dog Food

A tasty dry dog food that contains all vitamins known to be needed for sound growth—plus proteins, cereals and minerals. For dogs of all breeds and sizes, Gaines was the choice of Admiral Byrd for his Antarctic dogs. Comes in meal form to which only water is added, or in chewy pellet or Krunchon form.

### GAINES DOG MEAL

2 Lbs. ....	25c	10 Lbs. ....	\$1.08
5 Lbs. ....	55c	25 Lbs. ....	2.59
50 Lbs. ....			\$4.84

### GAINES KRUNCHEON

2 Lbs. ....	27c	10 Lbs. ....	\$1.13
5 Lbs. ....	46c	25 Lbs. ....	2.73
50 Lbs. ....			\$5.19

F.O.B. Dallas

## Spratt's Dog Foods

**Spratts Ovals** miniature dog biscuits for all breeds of dogs.

Ovals with meat meal and cod liver oil—1 lb., 10 oz. Pkg. 44c.

Ovals with meat fibrine and charcoal—1 lb., 10 oz. Pkg. 44c.

**Spratts Pupillac** avoids stomach distention and indigestion caused by cows milk, because it is equal in strength and nourishment to bitch's milk.—10 oz. 60c.

**Spratts Cat Food** with fish and milk—6½ oz. 10c—24 oz. 32c.

Postage Extra

## Texo Dog Food

Made in Dallas—therefore always fresh. A dog meal, scientifically balanced for Protein, Fat and Carbohydrates, with Vitamins A, D, B2 (Complex), B1, Riboflavin, Niacin, Pantothenic Acid. A tasty wholesome combination of selected, high quality ingredients—pre-cooked for easy digestibility.

2 lb., 2 oz. carton	20c	25 lb. bag	\$1.97
5 lb. bag	41c	50 lb. bag	3.94
10 lb. bag	81c	100 lb. bag	7.84

Postage Extra

## Apa-Tiza

**APA-TIZA Meat Broth** for mixing with dry dog foods, to make a juicy, meaty, tasty meal—10c size makes three pints rich broth—Postage Extra

2 oz. ....	10c	12 oz. ....	60c
24 oz. ....			\$1.00

## Dog Accessories



**DOG BEDS**—Ask for sizes and prices, as supply varies according to availability.

**DOG HARNESS, COLLARS, LEASHES, BLANKETS, SWEATERS**—Tell us the breed and size of your dog and we will be glad to quote.



## Wash-A-Pooch Dog Oil Shampoo

A scientific, sudless cleanser, combining oil application and shampoo that thoroughly cleanses hair and skin. Soothing, deodorant, non-irritating; kills fleas and other insects.

3 Oz. Shaker-Top Bottle	35c
8 Oz. 60c—16 Oz. \$1.00—Postpaid	

## Wash-A-Pooch Bubble Bath

A super-foamy, waterless bubble bath for dogs and cats; contains no alcohol; safe and efficient; kills odor and cleans skin and hair thoroughly. Use alone in cold or wet weather to keep from giving pets a cold. Can be used with water as a regular shampoo. Relieves itching, discourages fleas; leaves coat silky and lustrous.

2 Oz. Bottle 25c—6 Oz. Bottle 50c—Pint \$1.00	
Postpaid	

**Spratts Dry Cleaning Powder** for dry cleaning all dogs, 4 oz., Postage Extra ..... 35c

## Magitex Bubble Shampoo

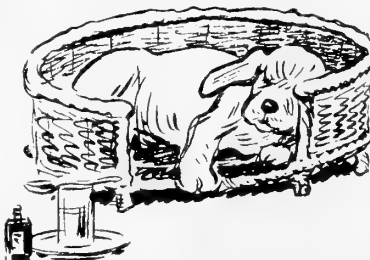
Cleans pets easily, like washing hands. Rub bubbles on—wipe off—that's all! No tub, rinsing, splashing. Removes fleas, lice on contact. Deodorizes, beautifies coat. Safe, effective. Only pennies a bath.

4 Oz. 60c—8 Oz. \$1.00—Postage Extra	
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## Sudbury Dry Cleaner

5 oz., for dogs and cats	\$1.00
Postage Extra	

## REMEDIES



<b>SPRATT'S Ointment</b> for Sarcopic Mange	
2 oz. ....	60c
<b>SPRATT'S Mange Liquid</b> , 12 oz. ....	75c
<b>SPRATT'S Cod Liver Oil Capsules</b> , 20 for. ....	60c
<b>SPRATT'S Tonic Tablets</b> , 60 for. ....	60c
<b>SPRATT'S Constipation Tablets</b> , 40 for. ....	60c

<b>PULVEX Conditioners Vitamin and Mineral Tabs.</b>	
48 Tablets	50c
150 Tablets	\$1.25

**PULVEX Combination Treatment Worm Capsules** for expelling Tape, Round and Hook Worms—Dogs 1 to 10 lbs. and 10 pounds and over (Give size of dog) ..... 50c

<b>PULVEX Cough Medicine</b> , 4 oz. ....	60c
<b>PULVEX Ear Canker Treatment</b> , 4 oz. ....	60c
<b>PULVEX Eye Lotion</b> , 4 oz. ....	60c
<b>PULVEX Pine Oil Disinfectant</b> , 8 oz. ....	50c
<b>PULVEX Vita-Vurv Mineral Supplement</b>	
5 oz. ....	75c

Send for "Dog Owners Digest"



## Remedies—(Continued)

**Pulvex Flea Powder** contains 5% DDT, kills all fleas, leaving none to revive and reinfest, and prevents fresh flea infestation for several days. Equally effective and non-injurious to cats.

1 1-5 oz. 25c—3 3-5 oz. 50c—12 oz. \$1.25	
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**Pulvex Flea Soap** kills fleas, also cleans, deodorizes and soothes your dog's coat and skin. Price 25c

**Pulvex Sponge-Away**—(mixed with water at the rate of one teaspoon to the quart) kills fleas, lice or ticks, also controls summer eczema, relieves itching and promotes healing.

1 oz. liquid 25c—3 oz. 50c—8 oz. \$1.00	
Postage Extra	

## SULFADENE

**Sulfadene**, eliminates "Fungitch" caused by mouldy grass and weeds.

If your dog scratches, driven frantic by itching, don't be too quick to blame fleas, mange or diet. In all probability, your dog has "FUNGITCH"! It is now known that itching and scratching in two out of three dogs is often due to a fungus. This infectious organism thrives on mouldy vegetable matter and is transmitted to pets through contact, when romping and playing in leaves, weeds and grass. Long a puzzle to science, this canine skin infection need no longer be a serious problem thanks to SULFADENE.

4 Fluid Oz. ....	98c—Postage Extra
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## Rex Hunter's Dog Powders

For a tonic re-constructive that relieves listlessness, poor appetite, excessive scratching, loose coat, simple skin irritations.

8 Tablets 25c—40 Tablets \$1.00—Postpaid	
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## TRAINING HELPS



## Chaperone Powder

Sprinkle Chaperone Powder on chairs, rugs, shoes, etc., and dogs keep their distance. Applied to female, keeps male dogs away. Practically odorless and harmless to humans, but very repulsive to dogs.

Large Cone \$1.00—Small Cone 50c	
Postage Extra	

## B'Have (Indoors)

Liquid dog and cat repellent. Protects furniture, rugs and drapes. Apply with atomizer or spray gun. Will not spot or stain.

3 oz. 50c—8 oz. \$1.00—Postage Extra	
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## Rugodex Cleaner

A bubble type cleaner, applied direct, for removing stains made by untrained pets, ink and other spots. An all-purpose cleaner, harmless to rugs, fabrics, drapery, upholstery, floors, painted walls. Non-inflammable and deodorizes instantly.

1 Pint Bottle \$1.00—Postage Extra	
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# VEGETABLE and FIELD SEED



# PLANTING GUIDE

## VEGETABLES—Quantity of Seed—When and How to Plant

NAME OF VEGETABLE	Seed Required to Plant		Distance Between Rows	Plants Apart In Row	To Plant Depth	TIME TO PLANT
	100 Feet of row	One Acre				
ASPARAGUS ROOTS	65	7,790	4 ft.	18 in.	6 to 8 in.	Jan. to Mar.
BEANS, Bush Snap and Lima	1 lb.	38 to 50 lbs.	2 to 3 ft.	3 in.	1 in.	Jan. to April, Aug. and Sept.
BEANS, Pole and Lima	1/2 lb.	15 to 20 lbs.	3 to 4 ft.	6 to 8 in.	1 in.	Mar. to May, Aug. and Sept.
BEETS	1 oz.	6 lbs.	18 to 24 in.	2 in.	1 in.	Feb. to May, Sept. and Oct.
BROCCOLI	1/4 oz.	1/4 lb.	2 to 3 ft.	18 to 24 in.	1/2 in.	Jan. to April, Aug. to Oct.
BRUSSELS SPROUTS	1/4 oz.	1/4 lb.	2 to 3 ft.	18 to 24 in.	1/2 in.	Oct. to Mar., June to Aug.
CABBAGE	1/4 oz.	1 to 6 oz.	2 to 3 ft.	12 to 24 in.	1/2 in.	Oct. to Mar., June to Aug.
CABBAGE PLANTS	50 to 100	10,000 to 20,000	2 ft.	12 to 24 in.	2 to 4 in.	Mar. to May, July to Sept.
CANTALOUPE	1/2 oz.	2 to 3 lbs.	3 to 5 ft.	Hills 4-6 ft.	1 in.	Mar. to July
CARROT	1 oz.	2 to 3 lbs.	15 to 24 in.	1 to 3 in.	1/2 in.	Feb. to May, Aug. to Oct.
CAULIFLOWER	1/4 oz.	1/4 lb.	2 to 3 ft.	12 to 24 in.	1/2 in.	Jan. to April, Aug. and Sept.
CELERY	1/4 oz.	1/4 lb.	2 to 4 ft.	4 to 8 in.	1/2 in.	Aug. to Oct., Feb. and Mar.
COLLARDS	1/2 oz.	5 oz.	24 to 30 in.	12 to 18 in.	1/2 in.	Sept. to May
CORN, Sweet and Sugar	1 lb.	10 to 12 lbs.	3 ft.	12 to 18 in.	1 to 2 in.	Feb. to April, July and Aug.
CORN, Pop.	1/2 lb.	6 to 8 lbs.	3 ft.	1 ft.	1 to 2 in.	Mar. to May
CUCUMBERS	1/2 oz.	4 lbs.	3 to 5 ft.	3 to 5 in.	1 in.	Mar. to May, Aug. and Sept.
EGGPLANT	1/4 oz.	5 to 6 oz.	2 to 3 ft.	18 to 24 in.	1 in.	Jan. to April
EGGPLANT PLANTS	50-65	9,680 to 10,890	2 to 3 ft.	18 to 24 in.	3 in.	Feb. to May
ENDIVE	1 oz.	2 lbs.	18 to 24 in.	8 to 12 in.	1/2 in.	April to June, Sept. to Nov.
HORSE RADISH ROOTS	100 to 200	21,780 to 43,560	2 ft.	6 to 12 in.	2 in.	Feb. and Mar.
KALE or BORECOLE	1 oz.	3 to 4 lbs.	24 to 30 in.	18 in.	1/2 in.	Sept. to Mar.
KOHL RABI	1/2 oz.	4 lbs.	18 in.	5 to 6 in.	1/2 in.	Sept. to Mar.
LETTUCE	1 oz.	2 lbs.	12 to 18 in.	4 to 8 in.	1/2 in.	Sept. to Mar.
MUSTARD	1 oz.	2 to 4 lbs.	6 to 12 in.	2 to 3 in.	1/2 in.	Feb. to May, July to Nov.
OKRA	2 oz.	8 to 10 lbs.	3 ft.	18 to 24 in.	1 in.	Mar. to June
ONION	1 oz.	4 to 6 lbs.	12 to 18 in.	3 to 4 in.	1/2 in.	Aug. to Oct., Jan. to April
ONION PLANTS	300	35,000	3 ft.	4 in.	3 in.	Jan. to May
ONION SETS	3 lbs.	8 bu.	18 in.	2 in.	2 in.	Jan. to May, Aug. to Nov.
PARSLEY	1 oz.	4 to 5 lbs.	12 to 18 in.	2 to 3 in.	1/2 in.	Feb. to May, Sept. to Nov.
PARSNIPS	1/2 oz.	3 lbs.	18 in.	3 to 4 in.	1/2 in.	Feb. and Mar., Sept.
PEAS	2 lbs.	70 to 150 lbs.	2 to 3 ft.	2 in.	2 in.	Jan. to April, Aug. to Oct.
PEPPER	1/4 oz.	1 to 1 1/2 lbs.	18 to 30 in.	15 to 18 in.	1 in.	Jan. to April
PEPPER PLANTS	65 to 80	13,000 to 19,000	18 to 30 in.	15 to 18 in.	3 in.	Mar. to June
POTATOES, Irish	1/2 pk.	8 bu.	3 ft.	15 in.	4 in.	Feb. to April, July and Aug.
POTATOES, Sweet, Plants	50	7,260	3 ft.	2 ft.	5 in.	April to July
PUMPKIN	1/2 oz.	3 to 4 lbs.	8 ft.	5 ft.	1 in.	Mar. to June
RADISH	1 oz.	10 to 12 lbs.	12 to 18 in.	1 to 2 in.	1/2 in.	Aug. to May
RHUBARB or PIE PLANT ROOTS	40	6,500	2 1/2 ft.	2 1/2 ft.	1/2 to 1 in.	Jan. to Mar.
RUTABAGA	1 oz.	2 to 4 lbs.	1 to 2 ft.	3 to 4 in.	1/2 in.	Feb. to May, July to Nov.
SALSIFY	1 oz.	6 to 8 lbs.	18 in.	2 to 3 in.	1/2 in.	Feb. to May
SPINACH	2 oz.	10 to 12 lbs.	14 to 18 in.	3 to 6 in.	1 in.	Feb. to April, Aug. to Nov.
SWISS CHARD	1 oz.	6 lbs.	1 ft.	3 in.	1 in.	Feb. to May, Sept. and Oct.
SQUASH	1 oz.	3 to 4 lbs.	3 to 4 ft.	3 to 4 ft.	1 in.	Mar. to Sept.
TOMATO	1/8 oz.	2 oz.	4 ft.	3 ft.	1 in.	Dec. to Mar., Aug. to Sept.
TOMATO PLANTS	35	3,630	4 ft.	3 ft.	5 in.	Mar. to May
TURNIPS	1 oz.	2 to 4 lbs.	1 to 2 ft.	3 to 4 in.	1/2 in.	Feb. to May, July to Nov.
WATERMELON	1 oz.	1 to 2 lbs.	6 ft.	6 to 8 ft.	1 in.	Mar. to May

## FIELD CROPS—When to Plant—Quantity of Seed

SEED	Time to Plant	Seeds Per Acre	Wt. Per Bushel
ALFALFA	September-November, February-April	18 to 20 pounds	.60 pounds
BARLEY, Winter-Spring	September-November, January-March	1 1/2 to 2 bushels	.48 pounds
BEANS, Mammoth Soy	April to July	15 to 30 pounds	.60 pounds
BEANS, Small Soy	April to July	6 to 15 pounds	.60 pounds
BEANS, Velvet	March to June	15 to 30 pounds	.60 pounds
BROOM CORN	February to June	3 to 8 pounds	.46 pounds
BUCKWHEAT	March to May, August	48 pounds	.48 pounds
CANE, Broadcast	March to July	2 to 3 bushels	.50 pounds
CLOVER, Sweet, Medie, Hu- bam and Melilotus	February-April, September-October	15 to 20 pounds	.60 pounds
CLOVER, Bur, Unhulled	July to November	30 to 50 pounds	.10 pounds
CLOVER, White Dutch and Hop	February-April, September-October	3 to 6 pounds	.56 pounds
CORN, Field	March to July	7 to 8 pounds	.56 pounds
COTTON SEED	March to May	1 1/2 to 1 bushel	.32 pounds
DARSO, Row	March to August	4 to 8 pounds	.50 pounds
EGYPTIAN WHEAT (Shallu)	March to June	4 to 8 pounds	.50 pounds
FETERITA	March to June	4 to 8 pounds	.50 pounds
GRASS, Bermuda	February to April, August to October	8 to 10 pounds	.40 pounds
GRASS, Rye	August-April	28 to 30 pounds	.40 pounds
GRASS, Sudan, Broadcast	March to July	20 to 25 pounds	.40 pounds
SUDAN, Row	March to July	5 to 7 pounds	.40 pounds
HEGARI, Row	March to August	4 to 8 pounds	.50 pounds
KAFIR, Row	March to June	4 to 8 pounds	.50 pounds
MANGELS	March to May, August, September	6 pounds	.50 pounds
MILLET	March to June	4 to 8 pounds	.50 pounds
OATS	April to August	50 pounds	.50 pounds
PEANUTS, Spanish	January-February, September-November	3 bushels	.32 pounds
PEANUTS, Tennessee Red	March to June	30 to 40 pounds	.30 pounds
PEAS, Stock	March to June	1 1/2 bushels	.22 pounds
RAPE	May to October	30 to 90 pounds	.60 pounds
RYE	January-May, August-November	6 to 8 pounds	.50 pounds
SORGHUM, Broadcast	September to November, January-February	1 1/2 bushels	.56 pounds
SUNFLOWER	March to July	2 to 3 bushels	.50 pounds
VETCH	March to July	5 to 10 pounds	.30 pounds
WHEAT	February-May, August-November	20 to 25 pounds	.60 pounds
	September to November, January-February	60 to 75 pounds	.60 pounds

### Number of Plants to the Acre at Given Distances

Dis. Apart	No. Plants
12x1 in.	522,720
12x3 in.	174,240
12x12 in.	43,560
16x1 in.	392,040
18x1 in.	348,480
18x3 in.	116,160
18x12 in.	39,040
18x18 in.	19,360
20x1 in.	313,635
24x1 in.	261,360
24x18 in.	15,520
24x24 in.	10,890
30x1 in.	269,088
30x12 in.	17,424
30x20 in.	10,454
30x24 in.	8,712
36x3 in.	58,080
36x12 in.	14,520
36x18 in.	9,680
36x36 in.	4,440
42x12 in.	12,440
42x24 in.	6,223
42x36 in.	4,148
48x12 in.	10,890
48x18 in.	7,790
48x24 in.	5,445

### Approximate Number of Feet of Row Per Acre at Given Distances

Dis. between row	Feet of row
18 in.	29,010
24 in.	21,758
30 in.	17,427
36 in.	14,526
42 in.	12,439
48 in.	10,853

# Soil Erosion CAUSED THIS "GHOST CITY"



This picture was taken in North Africa, where deep soil erosion speaks eloquently of the reason for abandonment and ruin, where once stood a thriving agricultural city, surrounded by fertile fields.

## CONSERVE AND BUILD SOIL—

Here is a typical soil erosion in Texas where irreplaceable topsoil runs down the gully, on its way to the rivers and sea. That's how it started in North Africa.



...In these furrows, lie the food of the republic—  
On these fields, depend life, health and happiness."  
—Watson



Turning under WINTER COVER CROP OF VETCH—an excellent soil conservation practice.



Center picture—same WINTER COVER CROP, which was planted in Vetch, at the rate of 17 lbs. per acre, double rows; soil was treated with acid phosphate. Planted in cotton 15 days after turn under.



STRIP CROP of Hubam Clover, planted for erosion control between corn and cotton.

*Keep our Farms Fertile* And there will be no "Ghost Cities."





## For Soil Conservation and Building —

Clovers are splendid soil renovators, being resistant to most insects and fungus diseases. Some clovers add as much as 200 lbs. of nitrogen per acre in a year to the soil.

### Sweet White Flowering Clover

Inoculate with Nitragin "A"

A biennial and a great subsoiler. Roots penetrate deep, breaking up hardpan, and then decomposes, adding humus to the soil. Plant in September or October; also February to April, at the rate of 15 to 20 pounds of clover with 1½ to 2 bushels of oats per acre, in well settled soil, covering lightly and then following with a roller. May also be planted alone.—Lb. 35c—2 Lbs. 65c—10 Lbs. \$2.55—Postpaid.

### Melilotus Indica (Annual Yellow Blossom Clover)

Inoculate With Nitragin "A"

This clover is also called "Sour Clover". It is used extensively as a cover crop, particularly in orchards. It grows from 1 to 4 feet tall and will produce 5 to 10 tons of green matter by early May. Sown in fall or spring, 15 to 20 lbs. per acre.—Lb. 25c—2 Lbs. 45c—10 Lbs. \$1.35—Postpaid.

### Bur Clover

Inoculate With Nitragin "A"

Highly desirable because of its adaptability to soil conditions, its fine winter pasturage and its tendency to materially improve soil. This clover should not be planted in pastures for sheep since its burs will reduce wool grade.

Unable to Supply until August, 1946

### Black Medic or Trefoil

A biennial. Has small yellow blossom. Plant is similar to alfalfa except that it spreads more and lays flat on the ground. Sow 15 pounds per acre in September and October; also in February, March and April. When sown with other clovers and grasses, sow 2 to 3 lbs. to the acre.

Lb. 70c—2 Lbs. \$1.35—10 Lbs. \$5.75—Postpaid.

### Hubam Clover

Inoculate With Nitragin "A"

An annual white flowering sweet clover of very rapid growth. It is similar in feed value to the Biennial White Flowering clover. Plant in fall or spring, 15 pounds to the acre.

Lb. 40c—2 Lbs. 75c—10 Lbs. \$3.05—Postpaid.

## MAGNOLIA CLOVERS



Jersey Cattle on White Clover Pasture

### White Dutch Clover

Inoculate With Nitragin "B"

This clover, a hardy perennial, is being recommended for pasture work by the Texas Experiment Station, particularly for use in East Texas. Plantings made at the Lufkin Station resulted in furnishing an abundant amount of feed from February 1st to well up in May, both for forage and cutting. It is also very desirable for an early green manure crop. The plant reseeds itself, but care should be used to see that the seed reaches the soil. Plant on closely cropped pastures and when already planted, pasture should be grazed down closely in early fall, so seeds will be sure to reach the soil. Sow 3 to 5 pounds per acre.

Lb. \$1.35—2 Lbs. \$2.65—10 Lbs. \$12.25—Postpaid.

### Hop Clover

Inoculate With Nitragin "B"

Upright growth, bearing small yellow blooms. This is a good clover for late winter and spring pastures, being one of the earliest to give grazing. It does well on sandy and waste lands. Grows 12 to 15 inches high. Plant 3 to 6 pounds to the acre.

Lb. 85c—2 Lbs. \$1.65—10 Lbs. \$7.45—Postpaid.

## LESPEDEZAS

These varieties of the clover family do very well in some sections of Texas where there is sufficient moisture—particularly in East Texas. Produce an abundance of fine hay and good soil builder. Inoculate with Nitragin "L" to increase yield.

**Korean Lespedeza**—A mammoth early variety, which withstands dry, hot weather very well. Is especially good for black land. About 30 days earlier than most varieties. Resistant to storms and a heavy seed yielder. Sow in spring, 35 pounds to the acre.

Lb. 30c—2 Lbs. 55c—10 Lbs. \$1.85—Postpaid.

**Sericea Lespedeza**—Also known as the "Upland Alfalfa". A perennial of great value which is finally being recognized for

## For Forage — Hay and Green Manure

Clovers provide the necessary protein to build muscles and beef and to increase yield of milk. Every dairy should have plenty of clover pasturage.

FOR GREATER HAY  
YIELDS

FOR ENRICHING YOUR  
SOIL

INOCULATE  
Clover Seed with  
NITRAGIN

## ALFALFA

ENRICHES LAND AND FURNISHES  
FINE HAY AND GRAZING

Inoculate With Nitragin "A"

Hardiness makes alfalfa adaptable for almost any climate and soil, except acid soil which should be corrected by the use of lime and ample drainage. Alfalfa enriches the soil. Sow 18 to 20 pounds per acre in well prepared clean, firm soil, covering about one inch with harrow, followed by roller. Keep weeds clipped down with mower until alfalfa thoroughly covers the ground.

The deep tap root of common alfalfa assures drouth resistance and winter hardiness. Our seeds were grown in Oklahoma under dry weather conditions. They are of verified origin—Oklahoma approved—the best assurance we can give you of quality breeding. You are also assured of a germination of 90% or better and purity of 99% or better. Seeds are also free of Johnson and dodger.

Lb. 65c—2 Lbs. \$1.25—10 Lbs. \$5.45—Postpaid.

its true worth. It has a wide range of adaptability and in many areas has replaced alfalfa. It yields from two to five cuttings annually after becoming established, depending upon soil and climate. The plant is high in protein value. It should be planted in the spring, when danger of frost is over and sown and cared for like alfalfa or clover. Plant from 20 to 30 lbs. to the acre.

Lb. 65c—2 Lbs. \$1.25—10 Lbs. \$5.25—Postpaid.

(See Special List for Quantity Prices)

# PASTURES — FOR ECONOMICAL STOCK RAISING



## HOW TO GROW THEM

### SIMPLE INSTRUCTIONS FOR BUILDING PASTURES

#### FERTILIZATION:

Pastures can produce only in proportion to quality of the soil. Test your own soil with our Soil Test Kits as illustrated and described in this catalog. When there is absence of lime, phosphorus, potash and nitrogen, the growth will be proportionately poor. These should be supplied by treatment with manures, commercial fertilizers and turning under green cover crops. A firm seed bed is essential to grasses and clovers.

#### RESEEDING:

Reseeding worn out pastures, without first correcting mineral deficiency and preparing the soil, invites poor stands or failure. Building one good acre of pasture is better than two acres half done. Mixture grass planting gives continuous grazing.

#### JUDICIOUS GRAZING:

Turning stock onto pasture that has not been given time to get a good start, allowing stock to trample over pasture too much in wet weather, keeping pastures too constantly in use to allow for regrowth—are some of the reasons for poor pastures. Cross-fencing and rotating use will pay in better grass crops.

#### WEED CONTROL:

Clear ground properly, sometimes burning off, disking or plowing under and rolling level before reseeding. Then plant SEED FREE FROM WEEDS. Mow weedy pastures just before the weeds go to seed.

#### HARROWING:

Pastures should be harrowed from time to time, in order to spread droppings, prevent patchy growth and to keep the soil more uniformly fertile. However, harrowing or disking are not substitutes for fertilization and good seeds, nor can they make up for their lack in building good pastures.

#### SOD BOUND PASTURES:

When pasture plants remain stunted in growth and go to seed early, the cause is sometimes a "sod bound" condition. The pasture has either been grazed to death, lacks soil fertility, or needs disking. Sometimes it is a combination of all three. Disking cannot cure starvation, make poor seeds grow or overcome too intense use of the pasture. Where turf is thin, disking is not recommended. Fertilization can usually bring such pastures to life, if the seed foundation is there.

#### TO SUM-UP

Select pasture locations easily accessible to barns and water supply. . . . Fence and cross fence for rotation. . . . Drain or terrace before seeding. . . . Prepare your seed bed. . . . Use fertilizer to increase production. . . . Plant with GOOD seeds suitable to your soil. . . . Graze lightly until plants take root. . . . Keep weeds down by mowing. . . . Reseed often enough to keep pastures producing. . . . Treat your pasture as a valuable CROP.

## Magnolia Permanent Pasture Mixtures

TESTED AND PROVED FOR EACH SECTION

**North and Central Texas**—Bermuda, in North and Central Texas, may be sodded in clumps, and since it spreads very rapidly, you get a good stand quickly. At the same time you sod, or if you already have a Bermuda stand, plant our Pasture Mixture for North and Central Texas. This consists of Rye, Dallis, and Rescue Grasses, Hubam, Spotted Leaf Bur, and Sweet Clover. Sow at the rate of 20 to 30 pounds per acre. **1 Lb. 50c—2 Lbs. 95c—10 Lbs. \$4.00—Postpaid.**

**East Texas Sandy Up-Lands** — In this section, also, it is very desirable to have a Bermuda base. Our mixture consists of Rescue, Dallis and Rye Grasses, and Hubam, Lespedeza and Spotted Leaf Bur Clovers, which should be sown at the rate of 20 to 25 pounds per acre. **1 Lb. 55c—2 Lbs. \$1.05—10 Lbs. \$4.55—Postpaid.**

**East Texas Black Lands** — Mixture consists of Bermuda, Rescue, Rye and Dal-

lis Grasses, and Hubam, Hop and Sweet Clovers. Sow at the rate of 20 to 25 pounds per acre. Where a stand of Bermuda is already had, the mixture may be ordered without the Bermuda Grass Seed. **1 Lb. 50c—2 Lbs. 95c—10 Lbs. \$4.05—Postpaid.**

**Bottom Lands in Southeast Texas** — Our pasture mixture for this territory consists of Bermuda, Rye, Dallis and Carpet Grasses, and Lespedeza, Hop, White Dutch and Hubam Clovers. Sow at the rate of 20 to 25 pounds to the acre. **1 Lb. 60c—2 Lbs. \$1.15—10 Lbs. \$4.75—Postpaid.**

**NOTE**—Bur clover in the wool of sheep penalizes the producer. If you plan to pasture sheep, order pasture mixture less bur clover and other seeds will be substituted. Because of shortage of Black Medic, it may become necessary to substitute on this item.

## GRASSES to "Pep-Up" Old or New Pastures

### Dallis Grass

Dallis Grass prefers heavy soils, with lots of moisture, but will grow wherever there is sufficient fertility to sustain grass. It is difficult to establish, because seeds germinate slowly, and often young plants are killed from too little moisture. It pays when established, however, because it provides the nearest to year-round pasturage possible to get from grass. Stock prefer it; it stops washed places quickly; and when well rooted, gives unsurpassed grazing. Also, it permits other grasses and clovers to live, but will eventually choke out weeds. Easily killed with cultivation. Plant any time except in the drouthy summer, 5 to 10 lbs. of seed to the acre. **Lb. 70c—2 Lbs. \$1.35—10 Lbs. \$6.00—Postpaid.**

### Johnson Grass

Is hard to eradicate in the South. Continues to grow year after year from the roots, except in climates with zero temperatures. Makes very fine hay, withstands drouth and is very prolific.

**Lb. 45c—2 Lbs. 85c—10 Lbs. \$3.00—Postpaid**

### Rescue Grass

Very good winter and spring pasture grass adaptable to practically any soil condition. Very nutritious and stock like it. Especially good in permanent pasture mixtures. Reseeds, and will come up the following fall after dying out in late spring. Broadcasts from October to May, 20 to 25 pounds per acre. **Lb. 45c—2 Lbs. 85c—10 Lbs. \$3.55—Postpaid.**

### Bermuda Grass

Bermuda is especially well adapted to drouth resistant needs of the Southwest.

In many territories it should form the basis of practically all permanent pastures. Thrives everywhere except on water-logged or very light, poor, sandy soils. Grows well in combination with other pasture plants. The strong root system helps prevent washing. Plant from February to November: 10 to 15 lbs. per acre, unhulled seeds: 5 to 10 lbs. hulled seeds.

**Unhulled: Lb. 75c—2 Lbs. \$1.45—10 Lbs. \$6.25—Postpaid.**

**Hulled: Lb. \$1.00—2 Lbs.—\$1.95—10 Lbs. \$8.75—Postpaid.**

### Carpet Grass

Does well on land lacking lime. Requires considerable moisture. Grows from 2 to 2½ feet high. Makes splendid permanent pasture and its creeping habit of growth enables it to stand close grazing without injury. It is not a pest. One plowing will kill it. Recommended more highly than Bermuda grass for costal plains. Plant September and October; also February to May, 10 to 15 pounds per acre. **Lb. 60c—2 Lbs. \$1.15—10 Lbs. \$4.75—Postpaid.**

### Buffalo Grass

Because of its desirable turf, this grass is in great demand for revegetation purposes. Especially adapted to heavy soils and splendid for grazing purposes. It formerly presented quite a problem in securing seeds, and particularly those of good germination, but this has been overcome, and the treated seeds we are offering are of good germination and well adapted for use in this territory. Splendid for combination with other pasture grasses. Plant from February to June, at from 5 to 8 lbs. to the acre. **Lb. \$1.20—2 Lbs. \$2.35—10 Lbs. \$10.95—Postpaid.**

See Special List for Larger Quantities

# PASTURES— FOR RECLAIMING WASTE ACRES

## Italian Rye Grass

Satisfactory on any soil with fertility to sustain grass. Provides unsurpassed winter and spring grazing. If not grazed too closely at seeding time, it will reseed itself. However, most farmers and stockmen prefer to use the grass and reseed because the seed is low in price. This grass will solve your winter pasture problem. Seeds should be broadcast on unprepared land and harrowed in lightly. Use 28 to 30 pounds of seed to the acre, if sown alone; 10 to 15 pounds when sown with other seeds.

Lb. 30c—2 Lbs. 55c—10 Lbs. \$2.00  
Postpaid

A Field of Italian Rye Grass



## Velvet Grass

ALSO KNOWN AS  
MESQUITE

A hardy long-lived perennial with soft broad leaves, never getting coarse. Grows from 8 to 12 inches high. Especially recommended to sow with other grasses. Produces a good quality of hay, but if planted alone does not yield as large tonnage as many other grasses. Drouth resistant and adaptable to most soil conditions. Sow in September or October; also March and April, 20 to 25 lbs. per acre.

Lb. 45c—2 Lbs. 85c—10 Lbs.  
\$3.55—Postpaid



## Kentucky Blue Grass

A good grass for inclusion in pasture mixtures. Succeeds best on limestone land, but does well on stiff clay and medium soils. Needs considerable moisture. We do not recommend planting alone in Texas, since it does not stand extreme heat well. Good results are obtained when planted in shady places. Plant 35 pounds to the acre, in the fall of the year.

Lb. 85c—2 Lbs. \$1.65—10 Lbs. \$7.25—  
Postpaid

## Red Top or Herd's Grass

It is recommended for heavy, moist lowlands as it withstands wet weather but also does well on most any good rich soil. Grows about 2 feet high. Sow broadcast 15 to 20 lbs. per acre.

Lb. 45c—2 Lbs. 85c—10 Lbs. \$3.55—  
Postpaid

## SUDAN GRASS — For Grazing and Hay

### Sweet Sudan

Sweet sudan is a cross between Leoti (a sweet sorghum) and common sudan. It produces abundant forage of high sugar content, very palatable to cattle. Leaves are broader, and it stools more heavily than common sudan. Seed is reddish-brown. The plant is resistant to foliage diseases. This grass proved productive and very desirable this past season. Plant from 8 to 10 lbs. per acre in row—

35 lbs. when broadcast.—Lb. 35c—2 Lbs.  
65c—10 Lbs. \$2.45—Postpaid.

### Common Sudan

For hay, sow broadcast and harrow in, using from 20 to 25 pounds of seed per acre. Grass should not be grazed until plants are from 15 to 18 inches high. Plant from March to July.

Sudan is a splendid forage crop, that has proved of immeasurable value to Texas farmers. For temporary pasture of supplemental grass and hay, it is thoroughly dependable. Being hardy, it may be planted wherever there is sufficient fertility to support heavy grass with splendid results.

Our seeds are pure, true to type and free from all noxious weeds, and Johnson grass.—Lb. 25c—10 Lbs. \$1.55—Postpaid.



Dairy Herd on Sudan Grass

## BUCKWHEAT For Bees and Poultry

This nourishing plant should be more generally grown in the South. May be sown in early spring or late summer, maturing in about two months. Yields large quantities of grain and the flowers provide exceptionally fine food for bees. Extensively used for a green manure plant. Buckwheat tends to smother weeds out, and it will produce a crop with very little rainfall. Buckwheat flour is of fine quality and much in demand. Plant March to May or in August at the rate of 45 pounds to the acre.

Lb. 35c—2 Lbs. 65c—10 Lbs. \$2.25  
Postpaid

## DWARF ESSEX RAPE

Rape is one of the most valuable of all crops. It makes a most delicious green food for humans when cooked like other greens. In addition it is a source of green feed for all livestock, including hogs and chickens. It is surprising how much grazing an acre of this plant will furnish. Plants grow to a height of from one to four feet, depending on condition

of soil and climate. Leaves grow very rank and succulent and are sweet and tender. Fall seeding is best, but early spring sowing is successful. The crop is not injured in ordinary winters in the South. It is ready for grazing in from 8 to 10 weeks. An acre of good rape will pasture 20 hogs two months. Sow in drills, 5 to 8 pounds per acre.

Lb. 40c—2 Lbs. 75c—10 Lbs. \$3.00—Postpaid

## Inoculate with Nitragin "E" to Increase Yield

Cow peas are the greatest soil improving and general hay crop, thrive on practically every kind of soil, and are the cheapest and surest means of improving soil. In food value, they are nearly the equal of alfalfa—fine for work stock, meat and dairy cattle. Can be planted from March to August, broadcast or in rows, 3 to 4 feet apart, 60 to 90 pounds per acre, when sown broadcast, or 20 lbs. for seeding in rows.



Cow Peas—Inoculated and not inoculated

## Table and Field Varieties

**Brown-Eye Crowder** — Sometimes called sugar crowders—although the pure white is the real sugar crowder. Bears much larger quantities than the white crowder and very desirable.

½ Lb. 25c—Lb. 45c—2 Lbs. 85c—  
Postpaid.

**Cream**—Extensively used for table. Prolific bearer and used green or dry; also good soil builder. Produces 4 to 5 inch pods; 7 to 8 peas to pod; very tender and of good flavor when young.

½ Lb. 25c—Lb. 45c—2 Lbs. 85c—  
Postpaid.

**Black Eye**—The most prolific and widely used of any of the varieties. Pods 5 to 6 inches long, average 9 peas to pod.

½ Lb. 20c—Lb. 35c—2 Lbs. 65c—  
Postpaid.

**Hereford (Pole-Cat Pea)**—Also known as "Calico Pea." A type similar to the crowder pea—very fine for table use. Speckled red and white in color. One of the most drouth resistant types. Particularly well adapted to West Texas.

½ Lb. 25c—Lb. 45c—2 Lbs. 85c—  
Postpaid.



Inoculate Soy Beans with Nitragin "S"

**Brown Crowder**—A fine flavored table pea, early maturity. Very prolific. Pods average 7 inches, 8 to 9 peas.

½ Lb. 25c—Lb. 45c—2 Lbs. 85c—  
Postpaid.

**Purple Hull Peas**—Especially fine for canning. Pods average 7 inches, 8 to 9 peas, cream colored, with a purple brown eye. Hulls are purple and somewhat tough.

¼ Lb. 15c—Lb. 35c—2 Lbs. 65c—  
Postpaid.

## Field Varieties

**Brabham**—An early wilt-proof, disease-resistant variety. Very similar to Whippoorwills except much smaller seed, requiring less for planting a given acreage. When planted early, two cuttings of hay can be had. Pods average 6 inches, 11 peas to pod.

**Chinese Red**—A very prolific, splendid hay pea, 6 inch pods, 8 peas to pod. This pea is offering much greater yields than many other varieties.

**Clay**—Medium sized pea of running habit. Exceptionally good as a soil builder. Vines long and leafy. Matures a little late. 6 to 7 inch pods, average 8 peas to pod.

**Speckled Whippoorwill**—The most popular and widely grown early variety. Grows upright, easily gathered. Brown speckled pea. 5 inch pods, average 5 peas to pod.

**Mixed Peas**—A mixture of the principal varieties. Very popular for hay and cover crops.

Lb. 30c—2 Lbs. 55c—Postpaid.

## EARLY SPECKLED VELVET BEANS

Inoculate with Nitragin "E"

Very fine for a forage crop and a good soil builder. Grows very rapidly and is more prolific than most forage plants. Fine for planting in corn. Plant in rows 3 to 5 feet apart, 15 to 30 pounds per acre. These may be planted March to June and still mature before frost.

Lb. 30c—2 Lbs. 55c—Postpaid.

## SOY BEANS

Improve Soil—Produce Oil and Meal—  
Abundant Hay Crop

Inoculate with Nitragin "S" for  
Increased Yield.

**CULTURE**—Plant from April to July and in planting put the seed to moisture, even if necessary to plant three to four inches deep. Shallow planting is best if moisture is available. When planting the yellow and white varieties, plant 30 pounds per acre in 36 inch rows for beans and seed; broadcast for hay, 60 to 75 pounds per acre. Of Laredos and Red Tanners plant from 30 to 45 pounds per acre depending on richness of the soil.

**Macoupin**—110 to 115 days. Earliest maturing yellow bean, and therefore very satisfactory to plant where it is to be followed up with winter grain crop on same land. Bean slightly smaller than Mamloxi. Oil content high. Has been known to yield 28 to 35 bushels per acre in adapted territory.—Lb. 25c—2 Lbs. 45c—10 Lbs. \$1.50—Postpaid.

**Mamloxi**—140 to 145 days. Large yellow bean with light brown eye. Plant erect and bushy and makes good hay, although the hay is rather coarse. Production 30 to 35 bushels per acre. Lb. 25c—2 Lbs. 45c—10 Lbs. \$1.55—Postpaid.

**Southern Laredo**—130 to 145 days. Small black bean which has produced hay yields of 2.07 tons per acre. Very fine quality hay. Shatters badly and must be harvested when ready or a considerable loss will result.—Lb. 30c—2 Lbs. 55c—10 Lbs. \$1.95—Postpaid.

**Red Tanner**—135 days. A hay bean of much value. Reddish-brown seed, which is produced in great quantity. A fine quality of hay which is claimed to be most palatable. Leaves hold somewhat better than the Laredo. Quite resistant to weeds also. Lb. 30c—2 Lbs. 55c—10 Lbs. \$1.95—Postpaid.

**CAUTION**—Be sure to get southern grown soy bean seed, for northern grown seeds produce less than half the yield of southern seeds.

## MUNG BEANS

Inoculate with Nitragin "C" for  
increased yields

Mung Beans are upright in growth, strong and vigorous, free from disease and make excellent hay, beans suitable for table use, the flavor being quite similar to cow-peas. The beans mature in 90 to 100 days. Plant same time as cow-peas. A splendid soil-builder. Five pounds will plant an acre with a drill in 3½ foot rows.

Ask for prices.

## DESTROY THE COW PEA WEEVIL

Black-Eye and other peas can be weevil free. Not later than March 1st each year every farm should be cleared of all untreated cow peas, cow pea hay and refuse, thus breaking the cycle of the cow pea weevil. Texas farmers lose heavily each year as a result of cow pea weevils. Use this simple precaution and get your neighbors to do so. **Feed out your hay—treat any peas on hand—burn all refuse—by March 1.**

See Special Price List for Quantity Prices



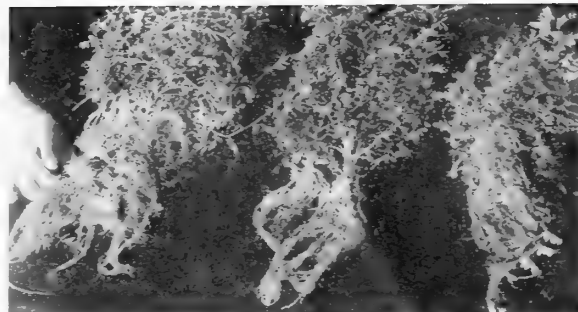
# MAGNOLIA WINTER VETCH

Inoculate With  
Nitragin "C"  
to Increase Yield

The method of planting and cultivating vetch has a tremendous influence on the growth, weather hardiness and final yield. Loosen the soil from three to five inches. Use of 150 lbs. of 18% Superphosphate more than doubles the yield of vetch. Inoculation of seeds also adds to the yield materially. Plant seeds not less than two or three inches deep. When crop is turned under for green manure, disc or harrow the land before planting another crop. Sow from August to November for winter pasture, and in early spring for summer pasture. It improves soil tremendously. Sow 20 to 25 pounds per acre when planted alone. We recommend equal amounts of Vetch and Oats sown together so that Vetch will have proper support in growing.

**Hairy Winter Vetch**—Proved the best of the vetches in five years of tests in the Texas Agricultural Experiment Stations. This variety not only produced the highest yields during each year of the test, but was more dependable during periods of cold weather and other adverse climatic conditions. Under average conditions yielded from 8 to 10 tons per acre; 12 to 14 tons were not unusual and 19 tons have been recorded.—**Lb. 30c—2 Lbs. 55c—10 Lbs. \$2.15—Postpaid.**

Can Also Furnish Common and Mixed Vetch



Three Hairy Vetch plants, showing root system and nitrogen fixation. Left—plant from vetch seed plot fertilized with 3-12-6 at rate of 100 lbs. per acre. Center—plant from mixed planting of vetch and rye following cow peas turned under. Right—plant from mixed planting of vetch and rye following corn.

## AUSTRIAN WINTER FIELD PEAS

Inoculating With Nitragin "C"  
Will Increase Your Yield

Austrian Winter Peas resemble the English in seed size, and the Canada pea in character of vine. Cannot be excelled as a winter cover crop, thriving after being subjected to zero temperature. Grow from 4 to 5 feet tall on fertile soil and make excellent hay in addition to furnishing grazing for livestock. Plant from September to November, also in the spring.

Especially recommended to the fruit farmers for a green manure crop to be planted between the trees in the fall and plowed under in the spring. Many of our customers report them as delicious food for their tables. This is leguminous crop which vastly increases the fertility of the soil. If planted following a cultivated crop it is not necessary to plow the ground, using a harrow before and after sowing followed by a roller on loose soil. Plant 30 to 35 pounds to the acre when planted alone. We recommend planting 20 to 25 pounds to the acre with a bushel of Rye, Barley or Wheat to hold vines off the ground.

Lb. 25c—2 Lbs. 45c—10 Lbs. \$1.25  
—Postpaid.

## ROOT CROPS

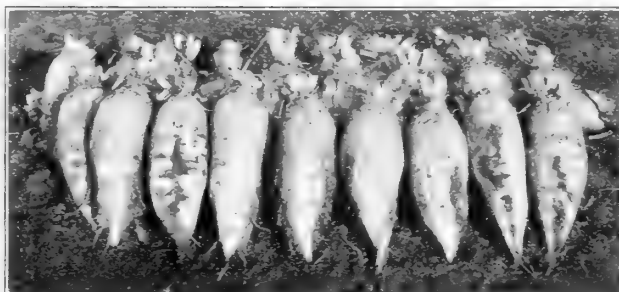
Enormous Yields—  
Excellent Feed

## MANGEL WURZEL BEETS

**CULTURE**—Plow your land deep and prepare thoroughly. Plant early in the spring in rows 1½ to 3 feet apart and cover the seed about 1 inch. Cultivate frequently. When about three inches high, begin thinning and continue at intervals until the roots stand from 8 to 12 inches apart in the rows. Use an ounce to 100 feet or from 3 to 6 pounds per acre.

**Mammoth Long Red** — Roots are very large, uniformly straight and well formed. Flesh is white, tinged with rose. This variety is preferred by hog raisers because of its enormous tonnage. It yields a greater tonnage per acre than other varieties but the sugar content is lower. Keeps well and is very nutritious.

Mangel Wurzel



**Giant Half Sugar**—Another very good variety. It yields a large crop of roots high in sugar yield. The roots are light bronze above the ground and grayish white below with white flesh. This beet, growing largely out of the ground, can be harvested earlier than any other mangel crop. Good either for the dairyman or the hog raiser.

**Sludstrup**—Highest in sugar content and the best variety for the dairy farmer. Creamy white. Enormous yield. Under drouth conditions manages to survive and make yields when rains come.

Pkt. 10c—Oz. 15c—¼  
Lb. 40c—Lb. \$1.20—  
Postpaid.

## STOCK CARROTS

## PEANUTS—Yield Increased per Acre by Inoculating with Nitragin "E"

For medium light, loamy or sandy land, peanuts are one of the most profitable crops that can be grown. Often yield as much as fifty bushels per acre on land too poor to plant corn. Produces ordinarily about a ton of excellent forage per acre in addition to the crop of nuts. In harvesting plow the peanuts and then stack against stakes stuck into the ground, the roots with the peanuts on them to the center and the leaves outside.

**Tennessee Long Red**—Does well on black waxy land as well as sandy soil. Larger in size, with greater numbers of nuts than most varieties grown in the South. A splendid commercial variety and very productive. Use 25 to 30 pounds to the acre.—**Lb. 35c—2 Lb. 65c—10 Lbs. \$2.45 Postpaid.**

**Spanish Peanuts** — This variety grows compactly, making them easy to cultivate. While nuts are small, they are sweet and of fine flavor, and contain a high percent of oil. "Pops", so common in larger varieties, are seldom found in the Spanish. The best crop in the South for fattening hogs, and no Southern farm, where stock is raised, should be without them. Pods usually contain two nuts or kernels and adhere well to plant when digging. Plant 30 to 40 pounds to the acre.—**Ask for prices.**

The Stock Carrot is another very valuable root for increasing milk production and fattening stock. While not so popular as the Stock Beet, it is an extremely valuable crop. Texas Experiment Stations are recommending root crops to dairy and stock men everywhere.

**White Belgian** — The finest carrot for stock feeding, roots averaging fourteen inches in diameter at the crown, tapering very slightly downward. Flesh and skin are white, tinged with green on the upper portion. Provide abundant feed for your stock—and especially desirable for dairy cattle.

Pkt. 10c—Oz. 15c—¼ Lb. 55c—Lb. \$1.60  
Postpaid.

(See Special List for Quantity Prices)

# MAGNOLIA HYBRID CORN

*Spoils you for any other kind!*

---

THOUSANDS BUY IT YEAR AFTER YEAR — SAY IT HAS NO EQUAL

---

## PRODUCE MORE BUSHELS — PER ACRE

Produce more bushels of corn per acre, by planting our Hybrid Seed, especially adapted for Southern Conditions. Tests

prove that good Hybrid Seed will increase yields over open-pollinated corn 20% to 35%.

We were very careful in selecting the source of our Hybrid Seed stock, and handle only varieties best suited to the soil and climate of the Southwest. Our seed are scientifically bred to give uniform ears, the highest grain shell-out and corn of the best feeding quality. Our strains are resistant to drouth, insects and weather damage. All new crop seed grown in 1945. You may select the Hybrid best suited to your soil, climate and growing conditions from the descriptions below.

### Magnolia's Texas No. 8

A double-top cross between 2 inbreds and native yellow Surecropper. Highly recommended for planting where drouth-resisting corn is needed. Matures quickly. Medium soft and light yellow in color.

### Magnolia's Texas No. 12

A 4-way cross, Yellow Dent-type corn that is especially well suited for rich, flat and bottom land where the climate is suitable for growing Yellow Dent corn. Produces uniform ears with mellow grain of golden color, small kernels and is of the very highest feeding quality.

### Magnolia's Texas No. 18

This is the largest ear and largest grain of the Texas yellow Hybrids. All 4 inbreds were developed from Texas varieties. Good drouth-resister, and outstanding for Hybrid vigor. Uniform ears and large golden grain. Plant it where Yellow Dent varieties can be grown.

### Magnolia's Texas No. 9-W

This is the best white Hybrid from 4 of Texas' finest inbred strains. It has almost perfect shuck coverage, more resistant to ear worms and weevils than any other Hybrid. Early maturing, a good drouth-resister and well adapted to all corn growing areas in Texas. It's a favorite of all Hybrids for roasting ears.

#### Prices Delivered to you

½ Bu. Flat Grains ..... \$5.00  
1 Bu. or more Flat Grains ..... 9.00

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### — IMPORTANT NOTE —

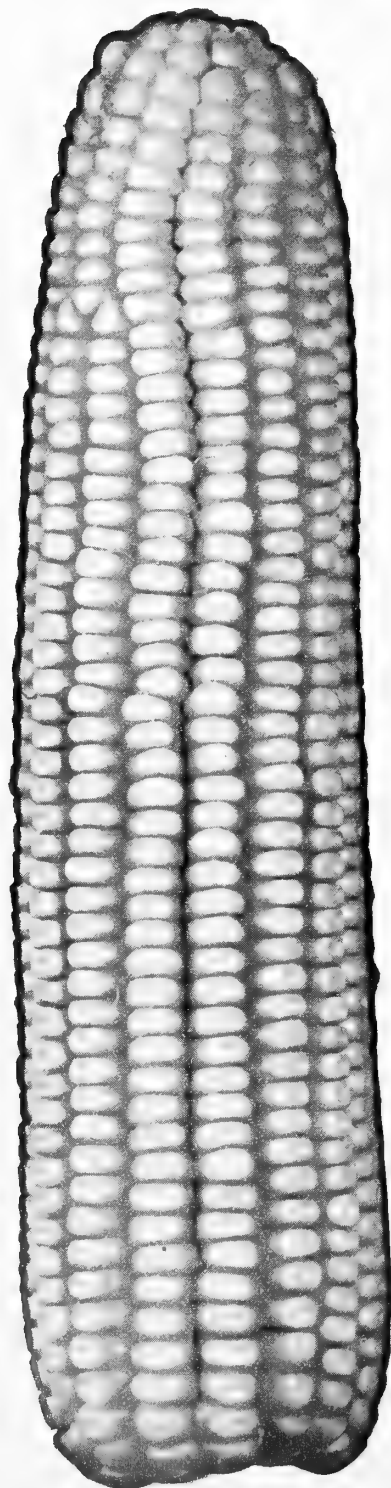
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While Hybrid Seed Corn produces unusual yields and splendid quality grain, it does not produce good seed stock. The maximum results in yield are obtained the first year. The second year's planting will prove disappointing. New Hybrid Seed Corn should be obtained from Magnolia Seed Company each season. Your land can produce more corn every year if you will plant fresh Hybrid Seed direct from our producer's crossing blocks.

---



Note 2 and 3 Ears to Stalk



# MAGNOLIA OPEN POLLINATED SEED CORN

## Yellow Corn

**Extra Early Yellow Dent**—90 days. Developed in Oklahoma from Reid's Yellow Dent. Grains narrow and very deep, and very closely packed on large ear. Large yields assured. After three years experience with this strain, we recommend it heartily.

**Large Grain Yellow Dent**—115 to 125 days. For those who prefer large grain yellow dent, we have our regular strain which has proved most satisfactory to our customers over many years. Good yields of fine grain.

**Yellow Surecopper**—100 to 110 days. Yellow Surecopper is an early maturing, drouth-resistant variety which will make some kind of a crop even under very unfavorable conditions. Well suited to the less fertile upland soils where it is much more dependable than Yellow Dent varieties. Richer in Vitamin A than white varieties, which have practically none.

## Red Corn

**Red June**—110 to 120 days. This variety of June corn is very popular, principally because of its drouth-resistance. Slightly larger ear than that of the Dwarf Mexican June.

**Bloody Butcher**—120 to 130 days. Second in vitamin content to Magnolia Yellow Dent. 14 to 18 rows to the ear. Deep grains, producing a large yield.

See Special List for Prices

At the low per acre cost no one can afford to plant inferior seed corn. Good yields can easily double or triple the cash you receive for the crop. We recommend Southern grown seed, and urge careful consideration of Hybrid Corn, feeling that increased yields justify planting these.

## White Corn

**Surecopper**—100 to 110 days. Early maturing corn. Its drouth-resisting qualities make it desirable for summer planting as well as spring. Planted extensively on stubble after grain harvest. Large white grain on white cob. Medium large and well formed ear.

**Drouth Resistant**—100 to 110 days. A white corn grown to meet the drouthy conditions of Texas. Makes a sturdy heavy bladed plant, with ears considerably larger than the average corn, slightly dented. Desirable for roasting ears, which are produced somewhat earlier than other varieties.

**Chisholm Red Cob**—115 to 125 days. A native variety, large ear, large deep creamy-white grain. Red cob. Has no equal as a milling corn. It is medium early.

**Silvermine**—90 to 100 days. This is another corn which has been adapted from northern corn to this area, through continuously improved selections. If you want a fine roasting ear corn, plant this strain. Ears are large and turning downward on the stalk, are highly resistant to earworm and moisture damage.

**Dwarf Mexican June**—100 to 110 days. A dependable drouth-resisting corn, which may be planted the latter part of May, June and July. It is popular for stubble planting and roasting ears.

## Blue Corn

**Squaw Seed Corn**—105 to 115 days. Natural drouth-resisting variety. Grains are a combination of colors mostly blue and white. Large ears, good yield. Plant any time from March to August. Compares favorably with Mexican June Corn for later planting.

See Special List for Prices

## POPCORN VARIETIES

A very profitable crop. Yields well even in unfavorable weather. Plant on the same as 11-13 rows. May be planted from March to May. One pound will plant four bushels of about 6 to 8 poptails to the bushel.

**South American**—100 days. Very popular variety on account of its rich yellow color. It is the standard yellow pop corn for the South. Pops into a very large white fluffy piece. Ears 5 to 6 inches long.

Lb. 35c—2 Lbs. 65c—10 Lbs. \$2.55  
Postpaid

**White Hulless or Little Buster**—80 to 85 days. A very prolific white variety used to a great extent by commercial poppers. Ears 4 to 5 inches.

Lb. 45c—2 Lbs. 85c—10 Lbs. \$3.55  
Postpaid

SEMESAN JR. Protects Against Seed-Borne Disease

STANLEY'S CROW REPELLENT Protects Against Crows

# FIVE GREAT STRAINS OF COTTON



## Original Mebane Triumph Purest Strain on Earth

Considered by many to be the best all-round cotton for all types of soil. Our seed come direct from the Mebane farms. For 63 years this cotton has been bred on the Mebane farms, now refined to the highest degree in purity, big bolls, long staple, about 40% lint.

Magnolia Seeds

Are Good Seeds!

As we offer five varieties of the best bred State Registered Seed, you can select a strain that will best suit your land. Plant seed that have been bred to match your soil and climate and make higher yields per acre. 1945 new crop seed, newly im-

proved strains . . . noted for their quick maturity, long uniform staple of high spinning quality. State quantity and strain when ordering. Prepaid from Texas Breeder.

3 to 5 bu. . . . . \$2.85 per bu.—Fr. Prepaid  
6 to 29 bu. . . . . 2.75 per bu.—Fr. Prepaid  
30 bu. or more . . . . . 2.65 per bu.—Fr. Prepaid

## ROWDEN Harper's DD Strain

For sandy, mixed or other land, fast growing, fast fruiting, quick maturing strain—an extra heavy yielder. Light foliage, short points, large bolls that pick easily. Wilt-resistant; also good disease resister. Long, coarse staple 15/16 to 1 1/32 inches. Seeds high in oil. Gin turnout 38% to 40%.

## ACALA Harper's BL Strain

For rich, flat or river bottom land, especially bred to produce heavy yields under moist conditions—well adapted to altitudes of 500 ft. or more. Light foliage lowers insect damage; large bolls easy to pick. Staple, 1 to 1 1/8 inches. Gin turnout 37% to 40%. Easy to cultivate by tractor farming.

## STONEVILLE 28 Harper's Liberator Strain

For low or river bottom land, suited for all types of rich land especially Texas coastal and creek bottom land. Best insect-resisting strain due to light foliage, quick maturing and early setting of fruit. Considered a storm-proof cotton. Staple, 1 to 1 1/8 inches. Gin turnout 34% to 38%.

## The Famous Old Harper's U Strain

For upland rolling blackland, famous native Texas variety. Quick to mature, heavy-yielding, drouth resistant. Fluffy, easy-to-pick 5-lock bolls. Seed is plump and full of oil. Hard, wiry, uniform staple, up to 1 1/16 inches. Outstanding gin turnout as high as 42%.

# SORGHUM — THE GREAT DROUTH-RESISTANT CROP

Every Acre Produces Quantities of Fine Feed

(MATURITIES ARE APPROXIMATE)



Arizona State Certified Hegari

## Arizona State Certified Hegari

115 days. Normal yield ranges from 8 to 12 tons per acre of green forage. Also, a heavy producer of grain. The large heads of creamy-white grain do not shatter, and the juicy, sweet stalks and leaves are relished by livestock. In many areas, hegari is being harvested by combine, with great saving in labor. Plant 8 to 10 pounds per acre in rows; 50 pounds broadcast. State Certification insures heavy yields and uniform stands, at very low cost over less satisfactory seeds.

Lb. 25c—2 Lbs. 45c—10 Lbs. \$1.25—  
Postpaid.

## Early Hegari

Arizona State Certified

105 days. In some areas where 10 days earlier maturity counts, Early Hegari has been found to be a little more satisfactory. It is identical in type to our regular strain, but where early frosts are encountered, yields are increased by planting earlier strain.

Lb. 25c—2 Lbs. 45c—10 Lbs. \$1.50  
Postpaid.

## Bonita

Arizona State  
Certified

100 days. A Hybrid of Hegari, Kafir and Feterita, Double dwarf and very early. Especially suited for heavy grain production. Yields from 35 to 50 bushels per acre. Suitable for combine harvesting. Plant 8 to 10 lbs. to acre in rows. 50 lbs. broadcast.

Lb. 30c—2 Lbs.  
50c — 10 Lbs.  
\$1.65 — Post-  
paid.

Black Amber



## Darso

110 days. A dwarf variety with large stalk and heavy foliage. It has a straight, juicy stalk, containing about 12 per cent saccharine, making it especially good for forage. It is drouth resistant, maturing somewhat earlier than Kafir. Dry forage yield 3 to 5 tons per acre. Seed yield 30 to 40 bushels. Sow 10 lbs. to acre in rows, 50 lbs. broadcast.

Lb. 25c—2 Lbs. 45c—10 Lbs. \$1.45  
Postpaid.

## Atlas Sargo

90-95 days. Fine saccharine variety, which is gaining favor in Texas, for silage. It grows from 7 to 8 feet high and is especially fine for trench ensilage. Enormous yields. Should be planted in rows—about ten pounds to the acre. The strain runs out in three years, so be sure to get properly bred seeds not less than every three years.

Lb. 25c—2 Lbs. 45c—10 Lbs. \$1.75—  
Postpaid.

## Syrup Canes

These triple-purpose canes make money for producers. Use for syrup production—ensilage—or seed and dry forage. For syrup, cut just before seeds ripen, as there is more saccharine at that stage. Plant 5 to 6 lbs. to the acre and cultivate like corn. Chop like cotton, leaving plants 12 to 15 inches apart in the row.

**Japanese or Honey Drip**—125 days. 150 to 200 gallons of syrup per acre. 10 to 15 tons green forage per acre. 800 to 1200 lbs. seeds. Grows very tall, with many joints in the stalk and a vigorous root system. We believe we have enough for our demand this year, of exceptionally fine seeds. Sow 8 to 10 lbs. to the acre for syrup; 12 to 15 lbs. for silage.

**Golden Rod or Sugar Drip Cane**—A cane which produces an excellent flavored and beautiful amber colored syrup, with an approximate yield of 200 gallons per acre. Yields less green forage than the Honey Drip. Highly recommended for syrup purposes. Definitely short supply of seeds this year.

Lb. 35c—2 Lbs. 60c—10 Lbs. \$2.25—  
Postpaid.

## Popular Hay Crop Canes

**Red-Top or Sumac**—110 days. Formerly the principal forage crop of the Southwest, but gradually yielding acreage to newer sorghums. Slender stalks and abundant leaves, combined with drouth-resistant features make it a mighty fine fodder. Yields 4 to 6 tons dry forage per acre. Plant 6 to 8 lbs. to acre in rows, 50 lbs. broadcast.

Lb. 25c—2 Lbs. 45c—10 Lbs. \$1.45  
Postpaid.

**Black Amber**—95 days. A very popular Saccharine Sorghum for early green feed or ensilage. It is the earliest sort and makes fine hay, green or cured, which is relished by stock. Will yield 2 to 3 cuttings each year, stooling out thicker each time it is cut. Plant 8 to 10 lbs. to acre in rows—50 lbs. broadcast.

Lb. 25c—2 Lbs. 45c—10 Lbs. \$1.45  
Postpaid.

**Early Orange**—100 days. A later variety than the Black Amber, which is also used for forage and hay. It is somewhat taller and the stalks are heavier. A splendid producer, but not quite so popular as Black Amber because it is later. Plant 8 to 10 lbs. to acre in rows—50 lbs. broadcast.

Lb. 25c—2 Lbs. 45c—10 Lbs. \$1.45  
Postpaid.



Red Top Sumac



Honey Drip Cane

(See Special List for Quantity Prices)



# MILO — FOR EVERY PURPOSE

## Plainsman Combine Milo

This variety continued to lead in popularity in 1944, particularly in the northern and western parts of the state. It showed the same uniformity which is such an important factor in combine milo production, and again attained yields that were outstanding in comparison with other types. As in former years, the Plainsman proved its worth in a fine grade grain and a stalk which is well liked by cattle. We produced the seeds we are offering on our own West Texas farm.

It is our firm conviction that at the present time Plainsman can be grown with more success than any other combine milo and we recommend it to everyone wanting a high yielding combine milo. Plant 8 to 10 lbs. to the acre in rows.

Lb. 25c—2 Lbs. 45c—10 Lbs. \$1.25—  
Postpaid.

## Arizona State Certified Double Dwarf Milo

100 days. Preferred by many because of the ease with which it can be headed. Plants grow only about 3 feet in height with smaller stalks than the dwarf yellow milo; large, full-grained heads. Its earliness makes it especially desirable.

Lb. 25c—2 Lbs. 45c—10 Lbs. \$1.25—  
Postpaid.

## Feterita

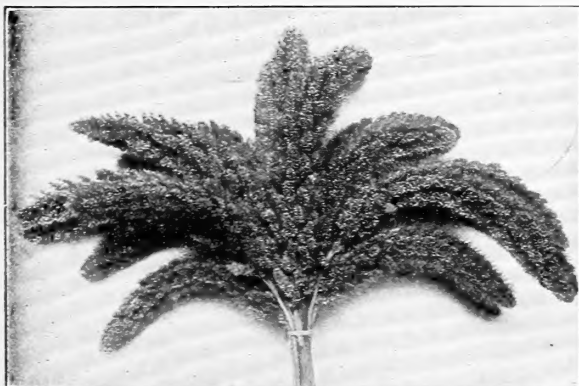
105 days. A non-saccharine forage and grain producer, well adapted to black lands, as well as the Western sorghum grain belt. Drouth resistant. Grain yield 20 to 30 bushels, dry forage 3 to 4 tons per acre.

Lb. 25c—2 Lbs. 45c—10 Lbs. \$1.25—  
Postpaid

## Magnolia Millet

Quick growth of millet makes it very desirable for hay and pasturage—particularly in times of drouth. Plant from April to August. For seed, and to produce large heads, sow from 5 to 10 lbs. to acre, broadcast about 50 lbs. to the acre.

**Magnolia Big Texas**—Now recognized as the finest quality, becoming more



Big Texas Millet will provide a very early hay crop splendid early pasture. A yield of five tons per acre is not unusual.

## Martin's Combine Milo

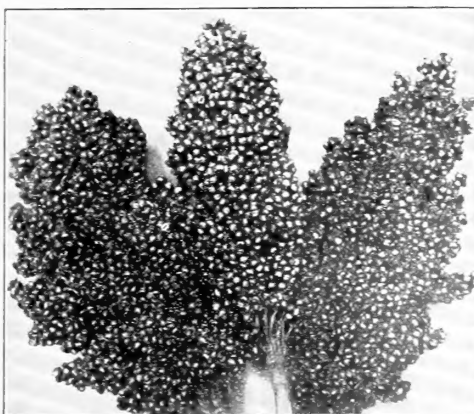
A very early maturing variety which suckers very little. Resistant to Pythium Root Rot. We now consider the Plainsman a superior combine type, but this, too, is very satisfactory combine milo. Our strain was grown on our West Texas farm.

Lb. 25c—2 Lbs. 45c—10 Lbs.  
\$1.25—Postpaid.

## Blackhul White Kafir

120 days. A good non-saccharine sort. It grows upright strong stems, with broad leaves, plants usually growing 4 to 5 feet high. Yield a heavy grain crop and is adaptable to most kinds of soil.

Lb. 25c—2 Lbs. 45c—10 Lbs. \$1.25—  
Postpaid.



Blackhul White Kafir

popular each year. Extra large heads, grows rank, best variety for hay for which it should be cut when in full bloom. On good soil a yield of five tons per acre is not unusual.

Lb. 25c—2 Lbs. 45c—10 Lbs. \$1.45—  
Postpaid.

**Pearl or Cat Tail (Pencillaria)**—Especially recommended for continuous cutting forage plant. Grows very tall but if cut when 3 to 4 feet high, will stool rapidly and can be cut three or four times in one season. Plant 8 to 10 lbs. per acre in drills 3 ft. apart or sow broadcast 20 to 30 lbs. per acre. Do not sow before May.

Lb. 40c—2 Lbs. 75c—10  
Lbs. \$2.25—Postpaid.

**Hog or Manitoba**—This variety produces an extra large head and grain; high in feeding value for stock or poultry. You should find a very ready market at all times for this variety. Much of this millet used commercially still comes from the north.

Lb. 25c—2 Lbs. 45c—10  
Lbs. \$1.45—Postpaid.



Field of Plainsman

## Quadroon Milo

85 days. Quadroon is one of the most consistent producers under both drouth and wet weather. Where combine harvesting is not practiced, the fact that this strain matures so early makes it well suited to plant late, even in wheat and oat stubble. Seeds are dark yellow, tinged with brown. Produces late in fall when it is too cold for other varieties to mature grain crops. Forage is lighter than hegari, and of good quality.

Lb. 25c—2 Lbs. 45c—10 Lbs. \$1.25—  
Postpaid.

## Schrock Kafir

(SAGRAIN)

115 days. Produces 8 to 15 tons of green forage or 40 to 50 bushels of light brown grain and 4 to 8 tons of dry hay. Very quick growth, and stools out remarkably, producing from 6 to 8 stalks per seed. Plant 6 to 8 lbs. per acre.

Lb. 25c—2 Lbs. 45c—10 Lbs. \$1.75—  
Postpaid.

## Egyptian Wheat

(SHALLU)

130 days. Also known as Chicken Corn. Growers of this plant are enthusiastic about it not only for chickens, but also for fattening out hogs, claiming it produces superior meat. Grows tall and produces 3 to 6 stalks from one root. Sow 8 to 10 lbs. per acre in rows.

Lb. 25c—2 Lbs. 45c—10 Lbs. \$1.75—  
Postpaid.

## Mammoth Sunflower

**Mammoth Russian**—Produces an enormous head, from 12 to 20 inches in diameter. On light, well drained, well tilled, fertile soils yields from 30 to 50 bushels per acre. Plant and cultivate as you would corn. May be planted some earlier, using 5 to 10 lbs. per acre. As a poultry feed mixed with other grains it has no equal.

Lb. 35c—2 Lbs. 65c—10 Lbs. \$2.65—  
Postpaid

(See Special List for Quantity Prices)

HAVE YOUR ORDERED AND YOUR NEEDS.

<b>A</b>	Alfalfa . . . . . 55	Corn Planters . . . . . 37	Horradish . . . . . 14	<b>P</b>	Paradichlorobenzene . . . . . 43	Snarol . . . . . 43
Aluminum Sulphate . . . . . 34	Cottonseed . . . . . 61	Horse Garden . . . . . 37	Hose, Garden . . . . . 37	Paris Green . . . . . 41	Soil Conditioners . . . . . 34	Soil Soakers . . . . . 47
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SAVE MONEY. READ

**Sending Money:** Use Post Office or Express Money Orders, Cashier's or Certified checks. Money or postage stamps are sent at your risk, and should be sent by registered mail. We cannot assume responsibility, if money or postage stamps are lost.

**C. O. D.** A deposit of 25% of the amount of the order, before we make shipments, is required on all shipments requested to be sent C.O.D. This amount is returned to you if the order is not accepted. No plants or perishable goods shipped C.O.D. Full remittance must accompany such orders.

If the total weight of the goods you are ordering is a fraction over a pound, it adds a pound to the rate. Packages weighing up to 8 ounces are carried at the rate of 1½ cents for each 2 ounces or fraction thereof, regardless of distance. For rates on packages over 8 ounces, see table below.

## HOW TO ORDER

Do not send stamps, but just add the amount for postage to the cost of the merchandise and include it in your remittance. We will return any money left over.

Write Plainly, give catalog number of each item, and give name and full address.

**Transportation Charges:** On all items "Postpaid" or "Prepaid," postage or transportation charges to be paid by you. Add

## FIGURING POSTAGE—AND WHAT CAN BE MAILED

Explosives, Inflammable Articles, Poisons and articles measuring more than 84 inches length and girth combined, cannot be shipped parcel post.

postage to your remittance, otherwise shipment is made by express or freight, which ever costs least. On small orders, where postage is not included some item on the order will not be shipped, to cover postage cost.

No responsible seedsmen gives a warranty. Crop success depends on many things besides good seeds. We have no control as to how you plant, fertilize, cultivate, and other things governing the success of a crop. Therefore, we give no warranty, express or implied, as to the productiveness of any seeds, bulbs or plants, and will not be in any way responsible for the crop. Our liability, in all instances, is limited to the purchase price of the seed.

## PARCEL POST RATES

For weights up to 8 oz. 1½c for each 2 oz. regardless of distance.	<b>ZONE 1 and 2</b> (Not over 150 miles from us.)	<b>ZONE 3</b> (150 to 300 miles from us.)	<b>ZONE 4</b> (301 to 600 miles from us.)	<b>ZONE 5</b> (601 to 1000 miles from us.)	<b>ZONE 6</b> (1001 to 1400 miles from us.)	<b>ZONE 7</b> (1401 to 1800 miles from us.)	<b>ZONE 8</b> (1801 miles and over from us.)
For weights over 8 oz. up to 1 pound the postage is	9 Cents	10 Cents	11 Cents	12 Cents	13 Cents	15 Cents	16 Cents
For next pound or fraction of a pound add	2 Cents	2 Cents	4 Cents	6 Cents	7 Cents	9 Cents	11 Cents
For each additional pound add	1 Cent	2 Cents	4 Cents	6 Cents	7 Cents	9 Cents	11 Cents

### EXAMPLE:

Say your shipment weighs 8 pounds 5 ounces. Figure on 9 pounds. In the 1st or 2nd Zone from us, your first pound costs 9c, second pound 2c and the other 7 pounds 1c each—

making the 9 pounds cost a total of 18c. If you live in Zone 2, the first pound costs 10c, each additional pound 2c, or a total of 26c . . . etc.



# Trio of WINNERS

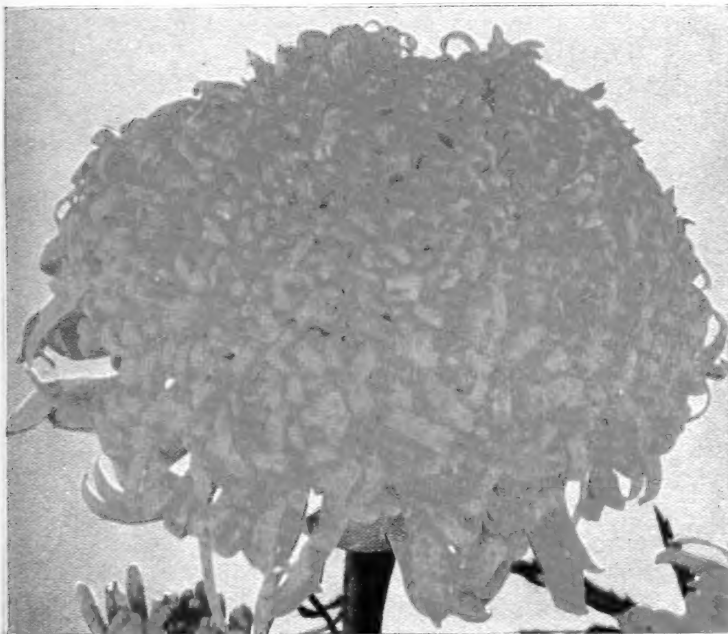
**P**ETUNIA CHEERFUL—Bronze medal award. A lovely, clear light pink petunia especially useful for bedding. Bushes are compact and covered with blooms around 2½ inches in size. Pkt. 25c

**M**ARIGOLD MAMMOTH MUM—Honorable mention. This large, chrysanthemum flowered marigold produces flowers of a rich lemon-yellow color, four inches or more across. Plants are bushy, strong, erect and three feet or more high. Blooms freely for a long period of time. Pkt. 25c.

**F**LASH MARIGOLD—Newest Silver Medal Award. Earliest of all Marigolds. Dwarf plants are completely covered with these large, flashy flowers, vividly colored like illustration. Ideal for beds or borders and good for cut flowers. Pkt. 25c.



Petunia—Cheerful



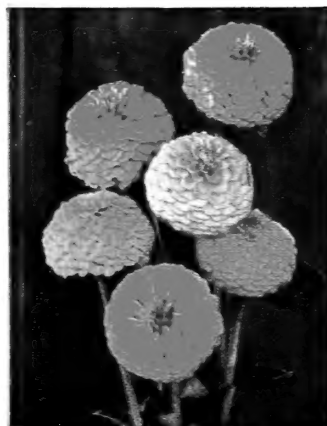
Marigold—Mammoth Mum



Flash Marigold



**Delphinium**—Blackmore and Langdon Type Hybrids, handsome tall perennial Larkspur. Unusually attractive. Mixed colors. Pkt. 25c—Postpaid.



Zinnia, Lilliput—(See page 28)



**Nierembergia, Purple Robe**—A popular edging and rockery plant; about 6 inches high, with 10 to 12 inch spread. Deep purple flowers bloom all summer. Germinates slowly. Pkt. 25c.—Postpaid.

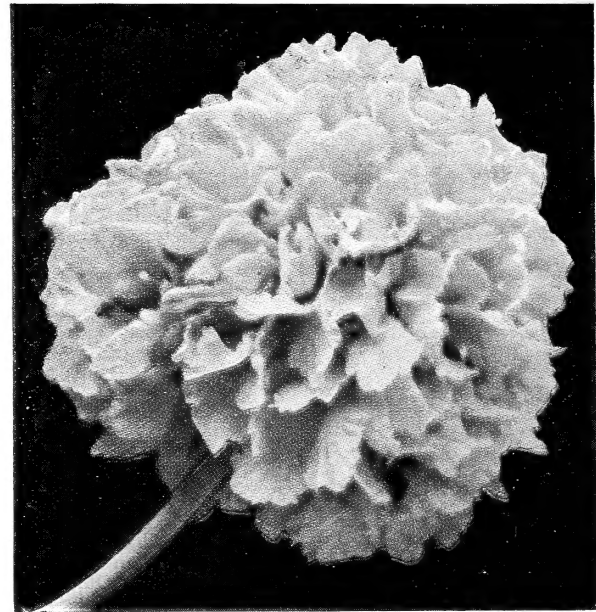


# Gallery of Favorites...

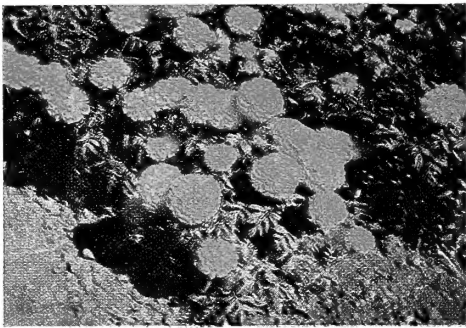
Make a MASTERPIECE of your garden  
with these colorful blooms!



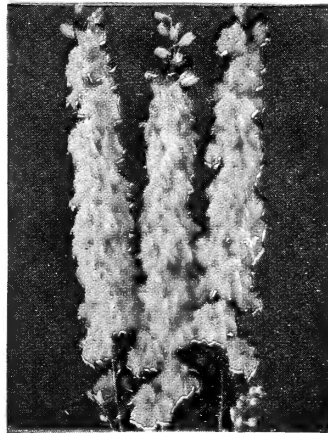
**Nasturtium**—Double Glorious Gleam Hybrids—Finest Mixed. (See page 26)



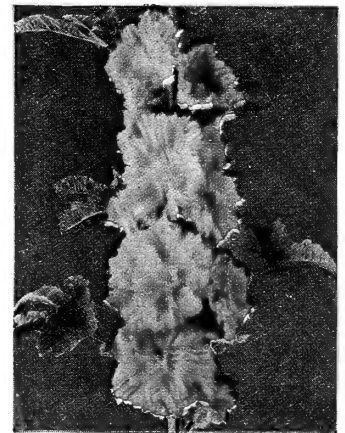
**Scabiosa**—Imperial Giant Blue Moon—(See page 27)



**MARIGOLD** — POT O' GOLD—(12 to 15 in.)—Early flowering, showy, fragrant marigold. Flower similar to Sunset Giant.  $3\frac{1}{2}$  to 4 in. in size, freely borne. Pkt. 15c.



**Larkspur**—Giant Imperial—( $3\frac{1}{2}$  feet) This tall, upright Larkspur has superseded all other types for florists' and general garden use. (See full description and colors on page 25) Finest Mixed, Pkt. 10c—Postpaid.



**Hollyhock**—Indian Spring—an annual Hollyhock, free blooming, semi-double, rose pink shades; well adapted to this climate. (See page 25 for other varieties.) Pkt. 10c—Postpaid.



**MARIGOLD** — SUNSET GIANT — (3 ft.)—Sweet scented, extremely large flowered type. Ideal for show purposes and garden decoration. Pkt. 10c.



**Dahlia**—Unwin's Dwarf Ideal Bedding Mixed—Appealing and colorful. Splendid for cut flower use. Good for beds or borders. (See page 30 for other varieties.) Pkt. 15c.



**Zinnia, California Giant**—Largest of the Zinnias, sometimes measuring 4 to 6 inches. (See page 28 for full description and colors.) Mixed Pkt. 10c—Oz. \$1.35—Postpaid.